Queens College

College of Arts and Sciences

Bulletin 1988-1989

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Bulletin 1988-89
Celebrating 131 Years of Sharing Knowledge

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Queens College admits students regardless of race, color, national and ethnic origin, or handicap to all the rights, privileges, programs and activities generally accorded or made available to students at the college. It does not discriminate on the basis of race, color, national or ethnic origin, or handicap in administration of its educational policies, admissions policies, scholarships or loan programs, and athletic and other college-administered programs.

1988-89 CALENDAR—Queens College
College of Arts and Sciences

TERM I	**1988**
Saturday, August 20	Freshmen Arrive
Sat.-Tues., Aug. 20-23	Freshmen Orientation
Sun.-Mon., Aug.21-22	Upperclassmen Arrive (these days only)
Wednesday, August 24	Registration
Thursday, August 25	Classes Begin
Wednesday, August 31	Last day to Drop/Add
Tuesday, September 13	Senior Recognition Day, Belk Chapel
Friday, October 14	Fall Break
Wednesday, October 19	Midterm Grades Due
Thurs.-Fri., October 20-21	Admissions Open House
Wednesday, October 26	Last Day to Withdraw with a WP or WF
Mon., Oct. 31-Fri. Nov. 18	Preregistration, Jan. Term and Term II
Fri.-Sun., November 4-6	Parents' Weekend
Thurs.-Sun., November 10-13	Drama Production
Sun.-Mon., November 13-14	Admissions Open House
Friday, November 18	Thanksgiving Break Begins, 5:00 p.m.
Sunday, November 27	Residence Halls Open, 12:00 noon
Monday, November 28	Classes Resume
Sunday, December 4	Lovefeast, Belk Chapel; Adm. Open House
Friday, December 9	Classes End; Boar's Head Dinner
Saturday, December 10	Reading Day; Yule Log Ceremony
Monday, December 12	Exams Begin
Friday, December 16	Exams End

JANUARY TERM	**1989**
Tuesday, January 3	Residence Halls Open, 12:00 noon
Wednesday, January 4	Registration; Classes Begin
Wed. Jan. 4-Fri. Jan. 27	Leadership Program
Friday, January 27	Classes End

TERM II	**1989**
Monday, January 30	Registration
Tuesday, January 31	Classes Begin
Monday, February 6	Last Day to Drop/Add
Sun.-Mon., February 5-6	Admissions Open House
Tuesday, February 14	Honors Convocation, Belk Chapel
Fri.-Sun., February 17-19	Dads' Weekend
Thurs.-Fri., February 23-24	Presidential Scholars' Interviews
Friday, March 17	Midterm Grades Due
Friday, March 17	Spring Recess/Easter Holiday Begins,5:00 pm
Monday, March 27	Residence Halls Open, 12:00 noon
Tuesday, March 28	Classes Resume
Tues., Mar.28-Fri.,Apr. 14	Preregistration, Summer Term and Term I, 89-90
Monday, April 3	Last Day to Withdraw with a WP or WF
Wed.-Sun., April 19-23	Drama Production
Thurs.-Fri., April 20-21	Admissions Open House
Fri.-Sun., April 21-23	Moms' Weekend
Tuesday, April 25	Awards Convocation
Fri.-Sun., May 5-7	May Day Weekend
Saturday, May 6	Homecoming
Thursday, May 11	Classes End
Friday, May 12	Reading Day
Saturday, May 13	Exams Begin
Thursday, May 18	Exams End
Friday, May 19	Baccalaureate, 4:00 p.m., Belk Chapel
Saturday, May 20	GRADUATION, 10:00 a.m.

SUMMER TERM I	**SUMMER TERM II**
Mon., May 22-Tues., Jun. 20	Wed., Jun. 21-Fri., July 21 No Classes Monday, July 3

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Introduction To Queens College

Queens College Today

Queens College has long been identified as a private, church-related,undergraduate liberal arts college. In recent years Queens has become a multi-unit institution serving a diversified group of students. The core of the institution is the coeducational College of Arts and Sciences. The New College, which grants undergraduate degrees, and the Graduate School at Queens, which awards master's degrees in business, education, and nursing, are additional units of the college which serve mainly adult learners.

The educational philosophy of Queens College emphasizes a solid commitment to the study of the liberal arts. The college believes that an education founded upon the liberal arts is the soundest preparation for a meaningful and successful life; that the liberal arts uniquely develop the student's intellectual breadth, originality and creativity, motivation, judgment, and capacity for acute reasoning and integrative thought; and that no matter how much our world changes, the results of a good liberal arts education never become obsolete. This commitment permeates the academic programs of the college, and the Statement of Philosophy and Purpose and the Queens Concept clearly identify liberal arts education as the main goal of the undergraduate programs.

Statement of Philosophy and Purpose

Queens College, private and Presbyterian, is a diversified academic community serving a variety of learners, both men and women, of all ages.

The college has evolved into a dynamic educational center of academic distinctiveness which not only has a strong residential liberal arts base, but which also reaches into the community to serve a diversity of learners in appropriate ways.

Queens' historic concern for academic excellence, Judeo-Christian values, and cultural enrichment remains central to the college's mission. In addition, heightened emphasis on career strategies, lifelong learning, and community outreach are incorporated into the educational purpose.

Basic components of the academic community are Queens College of Arts and Sciences, New College at Queens, and the Graduate School at Queens. In addition to these, Queens College offers course work through the Institute for Lifelong Learning for those who seek education and enrichment outside the context of formal degree programs.

The College of Arts and Sciences provides a variety of majors and degree programs to students in a challenging learning environment which prepares them for life as a committed citizen and a successful professional.

The tenor of student life is recognized to be as significant a factor in student development as is an excellent academic program. The smallness of the college enables Queens to accentuate concern for the individual and to provide the personal and intellectual interaction, caring, fun and fellowship that are possible in such a setting. A sense of belonging and of college spirit results for faculty and students alike.

New College at Queens offers an undergraduate liberal arts degree program on a part-time basis. The program is firmly grounded in the liberal arts tradition and emphasizes the joy of learning within a framework of continuing personal and intellectual development.

The Graduate School at Queens provides post-baccalaureate opportunities for advanced study and research in demanding and distinctive academic and professional programs. The Graduate School is designed to offer a stimulating, challenging, and scholarly community for the maximum intellectual and personal development of both students and faculty.

A fundamental commitment in all these segments of the college is to help students learn how to learn. Each student is encouraged to be intellectually alive and curious and to employ, in a disciplined and creative way, a unique personal potential.

Initiative, industry, and self-reliance are translated from self-awareness and personal growth into the awareness of the need to serve and a concern for others.

Each student should learn to care. Unapologetically and without any attempt to coerce or indoctrinate, the value background of Queens College is the Judeo-Christian heritage. Underlying each aspect of college life is the encouragement and cultivation of sound moral and spiritual values. Queens seeks to combine caring teachers and enlightened social policies into a learning community which knows the moral end it seeks: a just, enlightened, humane society. Into this framework the college welcomes students of all faiths and beliefs.

Thus learning, caring, and productivity come together through a diverse institution into a life of meaningful wholeness. The mission of the total college is to develop the mind and spirit and to prepare students to be intellectually aware, academically competent, spiritually challenged, and personally fulfilled for a successful future.

In addition to the degree programs of the college, the Queens Institute for Lifelong Learning provides nondegree opportunities for continuing education to students of all ages, both male and female. Service to the community is a key mission and is reflected in an adaptable and comprehensive curriculum.

The Queens College seal (see cover) reads . .“not to be ministered to but to minister.” True to this motto, Queens has sought over the years ways to serve rather than to be served.

The members of the Queens Community call on all who believe in these priniciples to join with them in the continuing development of the spirit and substance of this mission.

The Queens Concept

An outgrowth of the philosophy and mission of the college is the academic program and the integration of academic, cultural, and student support services of the college. Broadly conceived, this educational undertaking is known as the Queens Concept. It focuses upon competence in the areas of reading, writing, speaking, and mathematics; an understanding of our own and others' cultures; and value clarification. The college seeks to achieve these objectives of the Queens Concept through the distributed requirements of the curriculum, through in-depth study in a major discipline, through personal and career development facilitated by the Queens Career Center, and through international cultural experiences provided by foreign travel and study abroad opportunities.

History

Queens was founded in 1857 as the Charlotte Female Institute, then located on College Street near the center of the city. For five years after 1891 it was called the Seminary for Girls, and, upon affiliation with the Presbyterian Synod of North Carolina in 1896, was known as the Presbyterian College for Women. In 1912, anticipating the move to its present campus in the Myers Park residential area in 1914, it became Queens College.

That name revived pre-Revolutionary traditions, for in 1771 a group of North Carolina colonists sought a royal charter for Queens College to be located in the town of Charlotte, which was named for the British queen, Charlotte of Mecklenburg. George III refused the petition, doubting the wisdom of creating an institution to perpetuate nonconformist views favored by the Scotch-Irish Presbyterians who had settled in Piedmont Carolina. A school was chartered in 1773, however, under the unusual title of Queens Museum. During the Revolution it sympathized with the colonial cause and became known as the Liberty Hall Academy. The academy's post-Revolutionary history is sketchy, but in 1821 the Male and Female Academy Corporation was chartered to operate the Liberty Male Academy, the precursor of Davidson College, and the Charlotte Female Academy, the percursor of the Charlotte Female Institute.

In 1930, Queens became related to the Presbyterian Synod of South Carolina through a merger with Chicora College, Columbia, S.C. (formerly in Greenville). Since Chicora itself had earlier merged with the College for Women, Columbia, Queens continues the tradition of two South Carolina women's colleges. With the creation of the Synod of the Southeast in 1973, Queens'official church relationship was extended to include Presbyterians in Georgia as well as those in the Carolinas. In 1987, Queens opened its residential Arts and Sciences programs to men as well as women.

The legal authorization of the institution is in the charter granted by the General Assembly of the State of North Carolina. The Board of Trustees holds title to the property of the college and is responsible for Queens' total program. The 34-member board—composed of business, professional, religious, and alumni leaders—is elected by the Synod of North Carolina, Presbyterian Church (USA) (10 members); the Synod of the Southeast, Presbyterian Church (USA) (8); trustees (12); and the Queens College Alumni Association (4).

Presidents

Robert Burwell
1857-1872

Robert Hett Chapman
1872-1875

Stephen Taylor Martin
1875-1878

William Robert Atkinson
1878-1891

Lily W. Long
1891-1899

James R. Bridges
1899-1911

John Livy Caldwell
1911-1916

James R. Bridges
Acting, 1916-1917

Henry Clay Evans
1917-1918

William Anderson
Acting, 1918-1921

William Henry Frazer
1921-1939

Hunter Bryson Blakely
1939-1950

McAlister Carson
Acting, 1950-1951

Charlton Coney Jernigan
1951-1953

Herschel Hill Everett
Acting, 1953-1954

Edwin Ruthven Walker
1954-1965
Acting, 1965-1967

John Edwin Smylie
1967-1974

Alfred O. Canon
1974-1977

Billy O. Wireman
1978-Present

Accreditation and Memberships

Queens College is fully accredited by the Southern Association of Colleges and Schools. The National Association of Schools of Music has accredited the college's programs in music. The North Carolina Department of Public Instruction has fully accredited the education programs. The Nursing program is accredited by the National League for Nusing and is approved by the North Carolina State Board of Nursing. Queens is also approved for veteran's education.

Queens College is a member of the Southern Business Administration Association and the American Assembly of Collegiate Schools of Business. Queens is also a member of the Conference of Southern Graduate Schools.

The New College At Queens

The New College at Queens is coeducational and offers undergraduate liberal arts programs leading to a Bachelor of Arts degree with a major in business administration, English, history, and psychology; a Bachelor of Science degree with a major in communications, computer science, computer-based business applications, and radiologic technology; a Bachelor of General Studies degree; and a Bachelor of Science degree in Nursing for registered nurses. The

New College was designed for part-time students whose work and other responsibilities prohibit them from attending classes during the day. Classes are held in the evenings and on weekends, and the course offerings are scheduled so that a student may obtain a bachelor's degree in four and one-half to five years.

The Graduate School at Queens

The Graduate School at Queens is coeducational and offers master's degrees in business administration, education, and nursing administration.

The Graduate School provides post-baccalaureate, coeducational opportunities for advanced study and research in demanding and distinctive academic and professional programs. It is designed to offer a stimulating, challenging, and scholarly community for the maximum intellectual and personal development of both students and faculty.

Queens Institute for Lifelong Learning (QUILL)

The fourth unit of the college is the Queens institute for Lifelong Learning, which offers a varied and extensive program of non-credit continuing education.

QUILL offers learning opportunities to members of the community who wich to continue study or to develop particular interests without a concern for gaining academic credit. Many QUILL courses are career-oriented; others are offerings from the liberal arts curriculum; there are also courses concerned with self-improvement and courses for children. Specially designed QUILL conferences, seminars, and courses meet many of the needs of the business and professional community.

The Campus

Queens College is located on a large wooded campus in the Myers Park area of Charlotte and is bounded by Selwyn, Radcliffe, and Wellesley Avenues. The Georgian buildings, constructed in 1914 when the college was moved to this site, have been extensively remodeled and continue in use. Their architectural motif of red brick with white trim has been incorporated in the more modern buildings.

Burwell Hall, 1914, the focal point of the campus faces Selwyn Avenue. The building, in addition to housing administrative offices, has parlors which serve as a spacious reception area for guests and social events. Robert Burwell served as president of the Charlotte Female Institute from 1857 to 1872, and his wife, Margaret Anna Burwell, was teacher and principal.

Belk Chapel, 1950, was a gift made to Queens by the families and associates of William Henry Belk and Dr. John M. Belk, in their honor. Greek revival in architecture, it is equipped with a 39-rank organ, seats 750, and is used for weekly chapel and for other religious sevices and meetings. The Belk families have been loyal and generous supporters of the college.

The E.H. Little Fine Arts Center, 1966, contains the Suzanne Trezevant Little Recital Hall, the Charles A. Dana Auditorium, and exhibition gallery, studios, practice rooms, classrooms for music and drama, and music offices which house an extensive library of music, miniature scores, and phonograph records. Graduation exercises, convocations, concerts, recitals, plays, and lectures are scheduled in the auditorium, which seats 1,000. Major donors of this facility were E.H. Little and Charles A. Dana, prominent philanthropists.

The William H. Barnhardt Centers, a dormitory facility completed in 1965, honors Mr. and Mrs. William H. Barnhardt. A prominent and devoted supporter of the college, Mr. Barnhardt was a member of the board of trustees.

The Irwin-McKay Student Health Center, 1958, was the gift of Thomas M. Belk and his wife, Katherine McKay Belk, honoring Dr. John R. Irwin, Dr. Hamilton W. McKay, and Dr. Henderson Irwin. It provides five hospital beds, rooms for consultations and treatment, and quarters for resident nurses.

Long Residence Hall, 1914, is named for Miss Lily W. Long, who served the college for half a century and was president from 1891 to 1899.

The Dana Classroom Building, 1961, honors Charles A. Dana, a generous benefactor of Queens College, and contains a large lecture hall, a language laboratory, classrooms, faculty offices, and seminar rooms designed for small informal classes.

The Walker Science Building, 1966, with its computer center, laboratories, classrooms, offices for science and mathematics faculty, and research facilities for biology, chemistry, and physics, honors Dr. and Mrs. Edwin R. Walker. Dr. Walker was president of Queens from 1954 to 1965.

McEwen Hall, 1914, was renovated in 1967, to provide 20 spacious classrooms and a number of faculty and administrative offices. In 1984, the Dickson Microcomputer Center was added and houses twenty IBM Personal Computers. This center was created by the Dickson Foundation and provides microcomputer support for academic courses and serves as a support resource for faculty and credit students. It is named for the late Dr. Mildred Morse McEwen, alumna and professor emeritus of chemistry.

Watkins Hall, 1914, is named for Miss Mildred C. Watkins, member of the faculty from 1895 to 1909. It was remodeled in 1952 and again in 1978; it now houses the Art Department and exhibition galleries.

Morrison Hall, 1927, is named for its donor, Mrs. Cameron Morrison, wife of a distinguished governor of North Carolina. It includes a large dining hall, kitchen, auxiliary rooms, the Art Department's ceramics studio, dormitory space, and the bookstore.

Jernigan Student Center, 1914, was completely renovated in 1963 and redecorated in 1976. It houses the office of Student Development, the offices and library of the Queens Career Center, the campus post office, a snack bar, lounges, and offices of the Student Government Association and the Honor Council. Dr. Charlton

Coney Jernigan was president of Queens from 1951 to 1953.

Ovens Physical Education Building, 1954, includes a large gymnasium, classrooms, a dance studio, and an Olympic-size swimming pool. David Ovens, business executive and merchant, was a Queens trustee and benefactor.

Belk Residence Hall, 1954, Honors the late Mrs. William Henry Belk, alumna, trustee, and benefactor. The residence hall was a gift to Queens from Mrs. Belk's sons and daughter.

Harris Residence Hall, 1960, honors the late James J. Harris, chairman of the Board of Trustees, and his late wife, Angelia Morrison Harris, both loyal and devoted supporters of the college.

Wallace Residence Hall, 1962, honors Mr. and Mrs. J.M. Wallace and family. Mrs. Wallace was an alumna, and J. Mason Wallace, Jr., was a college trustee.

Albright Residence Hall, 1964, is named in honor of Miss Thelma Albright, formerly dean of students and a long-time faculty member at Queens.

Three other buildings are named respectively for Dr. Elizabeth H. Blair, former dean of instruction; Mr. and Mrs. W.Z. Stultz, donors; and Miss Laura A. Tillett, professor emeritus of English. These buildings are used for administrative and instructional purposes.

Facilities for the Handicapped

The buildings on the Queens College campus are of traditional architectural design, having been constructed prior to contemporary standards for facilities for the handicapped. As buildings are substantially remodeled, facilities for the handicapped are added.

All or parts of Watkins Hall, Everett Library, Morrison Dining Hall, Albright Residence Hall, Wallace Residence Hall, Tillett Building, Irwin-McKay Student Health Center, and McEwen Building are accessible to the handicapped.

In addition, both Watkins Hall and Tillett Building are equipped with restrooms for the handicapped.

Further information regarding facilities for the handicapped on the Queens College campus may be obtained from the Physical Plant Director or Dean of Student Development.

The College Library

Everett Library is located at the center of the campus. The present library collection was housed in Burwell Hall from the 1920s until the 1950s. Through the generosity of Herschel Hill Everett, Chairman of the Board of Trustees from 1952 to 1967, and his wife, Cornelia Nisbett Everett, the collection was moved in 1960 into the present facility.

Colonel J.N. Pease designed the building and Edmund D. Lewandowski's mosaic on the facade, depicting the areas of knowledge within the liberal arts, has become the visual focal point for the domitory quadrangle.

The library collection is the core of the academic community and is designed to support all programs of the college. Over 114,000 books and bound periodicals and 25,000 U.S. government documents are available in open stacks for student use. In addition, the library currently subscribes to 622 periodicals and retains *The New York Times* on microfilm from 1910 to the present. The collection, which grows at a rate of 2,000 volumes a year, receives additional support from the Rena Chambers Harrell and the Mary Waters Covington funds.

Although the book collection is housed in Everett Library, the Music Department maintains a collection of phonograph records and scores pertaining to the history and performance of music in the E.H. Little Fine Arts Center.

The Margaret Louise Chapman Instructional Media Center is located on the lower level of the library. Donated by the Friends of the Library in 1982, it is a full-service media center with equipment and facilities for the production and use of audio, video, film, and photographic software. Production, listening, and viewing rooms are available, as well as a computer terminal linked to the VAX in the Computer Center.

Also on the lower level is the Curriculum Laboratory, which houses the Education Department's collection of state-adopted textbooks and other materials for classroom use.

During the two main academic sessions the library is open from 8 a.m. to 1 a.m. Monday through Thursday; 8 a.m. to 6 p.m. on Friday; 10 a.m. to 6 p.m. on Saturday; and 2 p.m. to 11 p.m. on Sunday. The schedule for examination weeks is extended, and the schedules for January and summer sessions are reduced.

Students have free access to the stacks and may receive instruction in the use of the library at any time. The library encourages use by students, faculty and staff, alumni, Friends of the Library, ministers of the supporting Presbytery, and other individuals with special permission.

Everett Library has been enriched by its Friends of the Library organization. Founded in 1971, this community group hosts very popular annual "book and author" events, contributes significantly to the interior decor of the building, funds the Browsing Collection, and has established a Special Collections Room in memory of Rena C. Harrell, Queens' first librarian. This special room houses a collection of Charlotte imprints, books on the history of Mecklenburg County, and materials relating to the history of Queens College.

Student Life and Student Services

Student Life

Queens College is aware that a major part of a student's education takes place outside the classroom in day-to-day living experiences and campus activities. Through group participation and interaction, students come to know themselves as individuals, to realize their opportunities, and to be creative members of the college community. To stimulate this process the college encourages student initiative and responsibility through student government, the honor system, and other student organizations and activities.

The Honor Code

The Honor Code is one of the cherished possessions of Queens College and is of fundamental importance in the educational experience.

The Honor Code regulates all phases of college life and is binding on all members of the community.

The Code is based on three basic principles: (1) truthfulness at all times; (2) respect for the property of others; (3) honesty in the performance of all academic work—tests, examinations, reports, term papers, and all other academic assignments.

When a member of the college community signs the Honor Code, it is an acceptance of the responsibility of the honor system. This enables that member to enjoy the freedom and privilege of living in a community governed by mutual trust and respect.

Students also agree to abide by the rules and regulations contained in the *Student Handbook.*

Convocations

Queens College holds major convocations in the fall and spring semesters. These are important events which contribute to the development in the Queens community of a spirit of unity, fellowship, and common purpose. Attendance at convocations is required of all students in the College of Arts and Sciences.

Student Government Association

Queens students practice self-government through the Student Government Association. The Association is divided into four branches: Senate, College Union, Judicial Branch, and Publications Board.

The Senate. The Senate is the legislative branch of the SGA. It handles through legislation the students' concerns regarding campus matters and policies and other issues of wider concern.

The College Union. The Queens College Union is a group of students who work with the Activities Coordinator to plan and coordinate a balanced program of activities on campus. College Union Committees are the following:

The Cultural Events Committee sponsors activities designed to enrich cultural awareness including poetry readings, chamber music, literary speakers, and political and issue-oriented programs.

The Film Committee oversees the selection, purchasing, and loaning of videos and the use of the video projector by the students. The Film Committee hopes to educate and inform as well as entertain.

The Recreation Committee plans intramural competitions and recreation nights and coordinates small tournaments such as spades, backgammon, ping pong, etc.

The Religious Life Committee coordinates religious activities and fellowships on campus. Speakers, chapel services, and the Moravian Love Feast are organized by this committee.

The Social Activities Committee organizes social events including dance weekends, mixers, lawn concerts, etc. for students on campus.

The Special Events Committee plans such activities as the May Court Presentation and the annual Christmas Tree Trim. This committee is involved in the coordination of all Parents' Weekends.

The Judicial Branch. Students are given due process hearings for any alleged violation of the Honor Code. The Honor Council consists of eight students and two faculty advisers. The Council hears arguments, determines the verdict, and imposes sanctions when warranted. An Appeals Board is available to students who feel that action taken by the Honor Council is inappropriate. The Campus Judicial Board hears cases of alleged social and residence hall violations. Decisions my be appealed to the Honor Council.

The Publications Board. The Publications Board, made up of the editors and faculty advisers of campus publications, oversees the selection of editors, assists in the preparation of budgets, and develops publication policy.

Campus Religious Life

Queens faculty and administration have made a religious commitment, which provides a climate and opportunity for the growth and nourishment of lasting religious values. Students are given the opportunity to develop their own religious beliefs by voluntarily taking part in the weekly campus chapel services, Christian fellowship groups, and retreats. The college Chaplain is available to all members of the Queens College community as they seek spiritual understanding and growth.

Athletics

Queens offers intercollegiate competition in women's volleyball and tennis. Both teams compete with North Carolina, South Carolina, and Virginia teams. Queens will field a men's varsity tennis team in 1988-89. Plans are underway to significantly increase varsity sport offerings for both women and men in 1989-90. Athletes must fulfill Queens' eligibility requirements.

Club Sport opportunities exist for both women and men. Club Sports are typically organized by groups of students with common sports interests and are partially funded by the college. Students interested in forming a Club Sport should work with the Physical Education Department and the Office of Student Development. Current Club Sport offerings include soccer, equestrian, and swim clubs.

Recreation and Intramurals

Queens offers a varied program in recreation providing every student an opportunity to take part in a wide range of sports.

Ovens Gymnasium houses a large gym, a dance studio, and a swimming pool. In addition there are five tennis courts, three of which are lighted. The Physical Education Department makes the facilities available to students on a regular basis through rec nights and free swims. Intramural teams compete against each other in volleyball, softball, table tennis, tennis, and basketball—with an occasional challenge from a faculty team.

Publications

The *Arete,* the Queens College yearbook, is published annually and provides a pictorial and literary record of the year's events and activities. The *Queens Current,* the students newspaper, is published regularly to keep the college informed of campus events and news, and to serve as a forum for an exchange of ideas amoung students, faculty, and administrators. The *Signet,* the college literary magazine, is published once a year, and illustrates the creative writing and visual artistic talents of the Queens community and the public. *Calliope,* the college's journal of scholarly writing, offers Queens students the opportunity to publish their best research papers and essays. It appears once a year in the spring.

Honoraries, Honors, and Awards

Several organizations have been established at Queens to recognize high achievement both in scholarship and in campus leadership.

Delta Omicron is an international music fraternity for women who attain high scholarship in music and possess the potential for superior musicianship.

Student Marshals serve as ushers in academic processions at official college events. Marshals are students who have achieved academic excellence; they are selected each year following Term I on the basis of class rank from a list of eligible degree candidates who are taking a full-time course load.

Mortar Board, Inc. is a national Senior Honor Society whose members are selected for distinguished ability and achievement in scholarship, leadership, and contributions to humanity in college and/or community life.

The Zetetic Society is an organization composed of faculty and students. Its purpose is to recognize high scholastic attainment for seniors and juniors and to encourage independent research.

Sigma Upsilon is a fraternity for writers. Members are selected from the junior and senior classes; the basis of selection is literary ability and interest and active participation in writing.

Valkyrie is an organization of students from the sophomore class who are selected because of outstanding leadership, citizenship, and scholarship exhibited during the freshman year.

Beta Beta Beta is a national honorary organization for students in the biological sciences. Members are selected on the basis of their overall scholarship as well as their interest and achievement in biology.

Phi Alpha Theta is an international honor society in history and a member of the College Association of Honor Societies. Members are selected from the junior and senior classes on the basis of their overall scholarship as well as achievement in at least twelve hours of history.

Who's Who Among Students in American Universities and Colleges recognizes noteworthy student leaders on campuses throughout the country and registers them in a national collegiate publication. The students are selected on the basis of scholarship, leadership, citizenship, participation in co-curricular activities, and the promise of future contributions to those areas.

In addition to membership in campus honoraries, there are a variety of honors and awards. Some of these are the following: the scholastic honors—the *Dean's List* and graduating with honors; creative writing awards; awards in a number of other academic areas; several athletic citations; the Diana Award; and election to the May Court.

Since 1948 the New York Southern Society has granted to Queens College the privilege of bestowing two *Algernon Sydney Sullivan Awards* each year, one to an outstanding graduate and another honorary award to a person who has some association, official or otherwise, with the college.

The recipients of the award are elected by the faculty on the recommendation of the faculty committee on awards.

Mr. Sullivan, a distinguished lawyer and the first president of the Society, had such outstanding qualities of moral courage and personal inspiration that the Society created these awards to honor him and to commend others who might exemplify similar moral qualities.

The symbol of this award is an engraved copper plaque.

"This award is to be a continuing reminder that the noblest human qualities are those characteristics of heart, mind, and conduct which evidence a love for and helpfulness to other men and women. True nobility is found in those who move beyond the narrow circle of their self-interest and spend themselves in the interest of mankind."

Student Services

Housing

Queens views on-campus living as an integral part of the educational experience. Traditional-age students who are candidates for an undergraduate degree will live in residence unless: (1) they are residing with their parents or guardian; (2) they are married; (3) they have been granted special permission for other residence by the Dean of Student Development.

There are five residence halls on campus, each with its own distinctive style. They range in size from housing 70 to 140 students and in type of accommodations from traditional double rooms to suites.

All freshmen are assigned to rooms and roommates by the Office of Student Affairs. Other students choose their rooms in an order determined by their non-refundable reservation fee and by lottery.

The college insurance program is designed to provide protection for college property and does not include the property of students or others. It is suggested that students and their parents should review their insurance to be sure that coverage is extended to include personal effects while at college.

Counseling Services

Queens has two professional counselors on staff who are available to students for personal counseling twenty hours each week. Their office is located in the health center and appointments may be made by calling there.

Other trained counselors are available on the Queens staff. The Career Center staff, the college Chaplain, and the Residence Life Director all hold Masters degrees in counseling or related areas. Queens also has resident coordinators who are in charge of the underclassman residence halls and who make referrals when appropriate. Students are encouraged to seek out any of these persons when they wish to do so. Student resident assistants are trained in the residence halls for peer counseling and help with referrals.

Referrals to off-campus psychologist and psychiatrists may be made when necessary. The cost of all off-campus services is the responsibility of the individual student.

Health Services

The Irwin-McKay Student Health Center is equipped to provide outpatient and inpatient medical care. The five-bed health center is staffed by nurses from 3 p.m. Sunday until 3 p.m. Friday, except during vacations, throughout the regular academic year. A nurse practitioner has office hours daily. Appointments are encouraged.

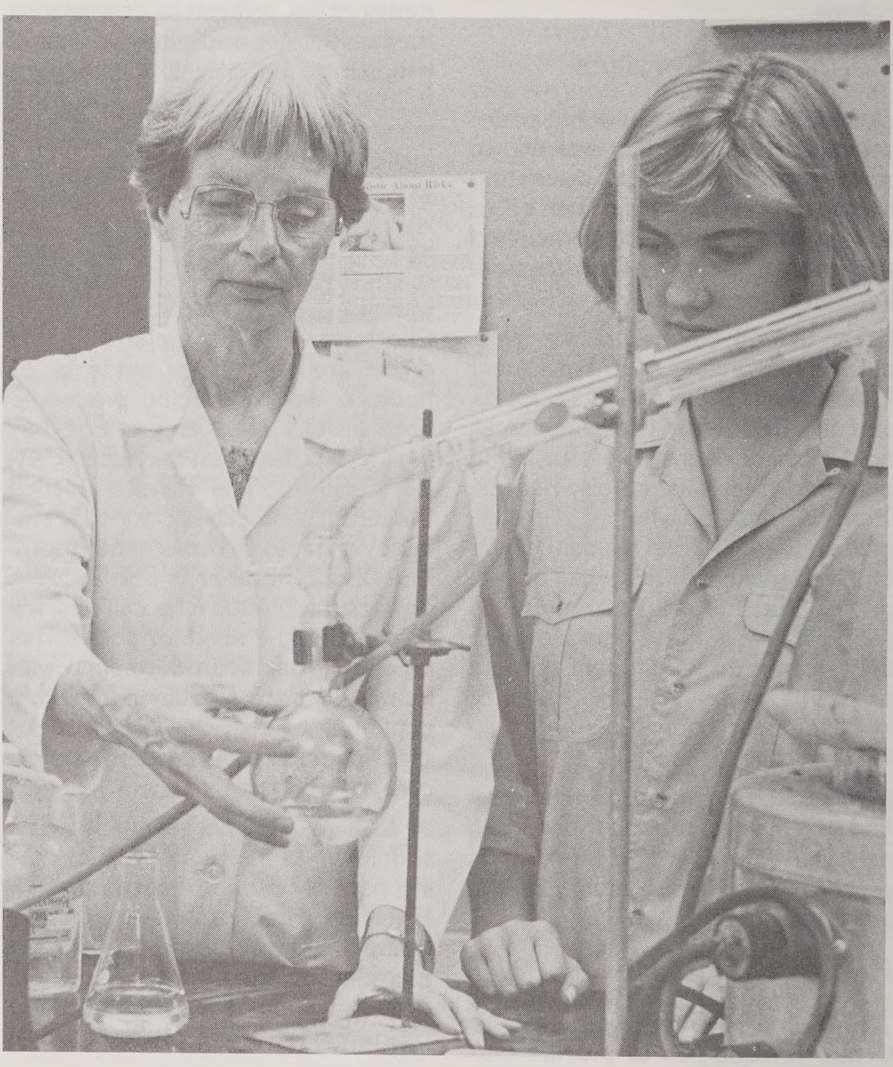
All degree candidates enrolled in the College of Arts and Sciences are entitled to health services during the terms in which they are enrolled. Students must submit a completed medical history and physical examination form to the Health Center prior to enrollment at Queens. This form initiates the student's medical file and facilitates preventive medicine as well as acute and chronic care. Part-time students may purchase health services as needed. The Health Center maintains a professional relationship with the Family Practice Center in Charlotte. The physicians in this group are on call for students 24 hours a day. A specific procedure does exist for medical coverage during those times when the Health Center is closed. The Family Practice Center is to be called prior to a student's going to the emergency room. The phone number is 338-2452. A physician will return the call and will help assess the need for a visit. This procedure has been developed with Family Practice Center to maintain continuity of care as well as to increase cost effectiveness of medical care for students.

In case of an emergency, students should go to the Health Center during normal hours of operation. If an emergency occurs outside of these hours, students should contact a member of the Queens residence staff to ensure speedy notification and response.

Family Practice Center visits, emergency room visits, lab charges, and some medicine charges are the responsibility of the student. All of these charges will be billed to the student's account at Queens.

North Carolina law mandates that all students present proof of having received certain immunizations. Students who have not received the specified immunizations will not be permitted to attend classes, nor will they be permitted to remain on campus. Immunizations are available at the Health Center. Immunization records are kept at the Health Center for ten years.

An optional health insurance plan is available through the college. Information regarding this plan is sent to each student.



Special Programs and Services

The Queens Career Center

The Queens Center offers career counseling services to Queens students, alumni, as well as persons outside the college community. Many students enter college unsure of their career talents and interests and of the availability of jobs in particular fields. Through individual and group counseling, occupational testing, and topical seminars, the Queens Career Center staff assists students in assessing their values, abilities, and interests. Students are encouraged to learn decision making skills and to set goals, helping them to move toward a rewarding and satisfying future. The staff is comprised of professional counselors with expertise in career counseling.

A vital part of the Queens Career Center is the Career Resource Center containing up-to-date career information, as well as information on graduate schools, pre-professional programs, and employment opportunities in business, government, and education. In addition, information is available on summer and part-time employment opportunities.

The Queens Career Center is particularly interested in helping seniors plan an effective job search and in identifying rewarding job opportunities. Each senior is encouraged to complete a permanent file containing a resume and letters of recommendation. The placement file remains active for five years after the student's graduation. Upon request, a copy of the file is sent to graduate schools and prospective employers. A staff member visits prospective employers for information on possible job openings and encourages representatives from schools and businesses to interview on campus. Throughout the academic year, seminars are held for seniors on resume preparation, interviewing, and planning the job search.

Students are encouraged to take advantage of the services of the Queens Career Center from the freshman year through the senior year.

New Dimensions Program

Generated out of a desire to serve better the adult learner, the New Dimensions Program is designed for the student who is 23 years of age or older.

Queens offers a personalized approach to aid the adult student with admissions, counseling, and career/life planning.

Upon an expression of interest in attending Queens College, an admissions counselor meets with the prospective student and discusses the educational opportunities available at the college.

Academic counseling is available at Queens from faculty members who represent each department of the college. These faculty members help the New Dimensions student decide on a major and review, if necessary, transfer credits as evaluated by the Registrar.

Personal counseling in various forms is available for an enrolled adult student, as well as developmental testing for vocational interests, personality types, values, needs, and interpersonal orientation.

Individual counseling appointments are available, and seminars and workshops are geared to adult needs and issues.

A strong emphasis is placed on personal development, self-assessment, and career/life planning. Adult students are thus encouraged to participate in such offerings as internships and leadership opportunities, both on and off the Queens College campus.

The admissions counselor's office for New Dimensions students is located in Burwell Hall, with office hours from 8:30 a.m. to 5 p.m. weekdays.

See page 45 for the degree requirements for New Dimensions students. See page 41 for information on special scholarships for New Dimensions students.

Live, Work, Study

The Live, Work, Study program is designed to offer the advantages of campus living to working adults.

To qualify for the Live, Work, Study program, one must be at least 21 years of age, enrolled in at least one course, and in good academic standing.

Admission is granted to qualified applicants without regard to race, creed, national origin, marital status, or handicap.

For more information, contact the Office of Student Affairs.

Leadership Program

The Leadership Program is a series of leadership and management experiences for the Queens student, offered during the January Term. The program includes workshops, seminars, and experiences designed to develop leadership skills. The objective of the program is to develop Queens graduates who are motivated and confident.

Traditional students in the College of Arts and Sciences are required to have two January Term units in order to graduate from Queens College. These credits are normally taken during the freshman and sophomore years.

Internships

Queens College affirms its support of properly planned and supervised internships as useful and desirable educational experiences for its students. The college defines internships as out-of-class work experiences which use skills and theories learned in classroom settings.

Internships are of two types: exploratory internships and professional internships. The exploratory internship enables students to gain knowledge in an area in which they may have an interest and to explore areas in which they may wish to develop a career. Students may earn a maximum of six hours' credit toward graduation requirements through exploratory internships. The professional internships are listed as catalog courses and encompass field placement courses, major internships, student teaching programs, and practica. These internships are an integral part of the academic program and are limited only by the requirements of a given major as described in the catalog. Normally, no more than 12 hours of internship credit shall be counted toward the 122 hours required for each degree. Each student must elect either an exploratory or a professional internship as part of the Distributed Requirements (Area VIII).

To be eligible for internships, students should have the academic preparation necessary as a basis for such experiences. Generally, internships are restricted to upper-classmen; however, freshmen and sophomores with unusual background or strong motivation for such work experiences are not excluded from participating in internships. The guidelines for internships, available in the Office of Academic Affairs, describe in detail both qualifications and procedures for these experiences. The student and her advisers are responsible for following these guidelines.

Internship proposals must be submitted to the Office of Academic Affairs no later than the end of the second week of the term in the fall or spring terms, and before the beginning of the term in the case of the January or summer terms. The student must register for the internship.

The student and faculty adviser plan an internship using as resources the Career Center and faculty internship advisers. The adviser reports a grade for the internship and serves as a contact person on-campus for the intern and the off-campus project supervisor.

On-Campus Summer Programs

The College of Arts and Sciences offers a summer program consisting of two terms held during May, June, and July. Students choose from a listing of catalog courses or may arrange independent studies or internships.

Charlotte-Area Educational Consortium

Queens participates in the Charlotte-Area Educational Consortium, which includes 11 public and private colleges and universities in and near Charlotte. Through the consortium the resources of all participating institutions are available to Queens students who, if qualified, may enroll at one of the other colleges in any course not offered at Queens and receive full credit toward the Queens degree without the payment of additional fees.

International Education

During the regular academic year, qualified students may study abroad under selected programs. The student must have at least a 2.000 average before making initial application to the program. The Foreign Studies and International Student Adviser, in cooperation with the Vice President for Academic Affairs and the major adviser, must give prior approval to each applicant and each program. A student may take part in approved established programs of study for American students, attend a foreign university, or participate in the Experiment in International Living, a one-term program which permits a student to earn as many as nine credit hours in various European countries, India, or Ghana; or as many as 12 credit hours if an independent study project is completed.

Queens also participates in the Association of United Colleges for Foreign Exchange and Study which provides Junior Year programs in Strasbourg, France; Heidelberg, Germany; Lancaster, England; and at the London School of Economics.

For further information, interested students should contact Dr. Marjorie T. Kirby, Foreign Studies and International Student Adviser, Queens College.

Government Internship Program

Queens College students may choose to participate in a government internship program designed to provide an understanding of practical politics as well as an introduction to government employment. The Queens program is based upon cooperation with existing programs sponsored by or with local, state, or national government institutions. College personnel may also help the student to arrange, outside these programs, individual internships tailored to the special needs or interests of the student.

Some of the internship opportunities involve stipends which may be used to defray the costs of the internship to the student.

Students who wish to enroll in these internships should have a sound background in the social sciences as well as upperclass standing. Students who do not meet these qualifications are not prohibited from participating, but the type of internship for which they may qualify may be limited.

Washington Semester, American University

Through a cooperative arrangement with the American University, two Queens students annually may spend one term in Washington, D.C., studying American national government. The study is carried out through a seminar of the student's own choosing, an individual research project, and regular courses at the American University. Applicants must have completed Political Science 201 and have a quality point average of 2.600 or above. Application should be made through the Department of Political Science.

The Washington Center

Queens students may apply for Washington internships through the

Washington Center. These internships give students opportunities to explore in the unique Washington environment and within the framework of liberal arts studies a variety of public-oriented careers and professions; they enable students to combine a work and learning experience for academic credit.

Participants intern in congressional offices and executive agencies and with organizations in many other areas, such as the environment, consumer affairs, journalism communications, legal affairs, labor relations, health policy, the arts, education, science, public relations, urban affairs, and women's issues. They establish working relationships with professionals through involvement in functions of the sponsoring organizations or through individual research projects.

They also attend seminars taught by representatives of Washington's major governmental agencies, interest groups, and corporations.

These internships are open to qualified juniors and seniors and are available every fall, spring, and summer. Application deadlines are October 15 for the spring term, March 1 for the summer program, and April 15 for the fall term. Housing is available through the Washington Center.

These internships must be approved by the student's adviser, the appropriate department head, and the Vice President for Academic Affairs. For further information, contact the Political Science Department.

Cooperative Programs With Presbyterian Hospital School of Nursing

The college provides basic academic instruction to students enrolled in the hospital's three-year Diploma Program for Nurses. Students in this program live at the hospital nursing school and take courses for academic credit at Queens during their first year. College credit hours earned at Queens in this program are transferable. Participants in this program are eligible to become registered nurses when they have been graduated from the Presbyterian Hospital School of Nursing and upon satisfactory completion of the state board examination. Interested applicants should write the Director, School of Nursing, Presbyterian Hospital School of Nursing, P.O. Box 33549, Charlotte, North Carolina 28233.

Registered nurses may enroll in Queens College to seek the Bachelor of Science in Nursing degree. Interested PHSN graduates should contact the Queens College Office of Admissions.

Triangle Universities Computer Center (TUCC)

As a member of the North Carolina Educational Computing Service, Queens provides its students and faculty with the computer resources of the Triangle Universities Computer Center by remote terminal.

The Queens Conservatory

The Queens Conservatory, a division of the Queens College Music Department, provides study and performance opportunities in music for members of the Charlotte community. The faculty of the Conservatory are either full-time Queens College instructors, members of the Charlotte Symphony Orchestra, or others employed for specific expertise in an area of music.

The Charlotte Children's Choir at Queens

As an adjunct part of the Conservatory's activities and programs, the Charlotte Children's Choir at Queens provides boys and girls an opportunity for excellence in choral music. A community-based arts group, the choir is open to boys and girls ages 8-15, by audition.

Queens Institute For Lifelong Learning

Queens Institute for Lifelong Learning (QUILL), the non-credit continuing education division of the college, provides programming in three major areas: management development, professional development, and personal development. Through the QUILL program approximately 5,000 individuals annually fit the description of the non-traditional student. Many individuals are sponsored by their employers who are asking or requiring their employees to attend seminars and classes to increase effectiveness in their jobs.

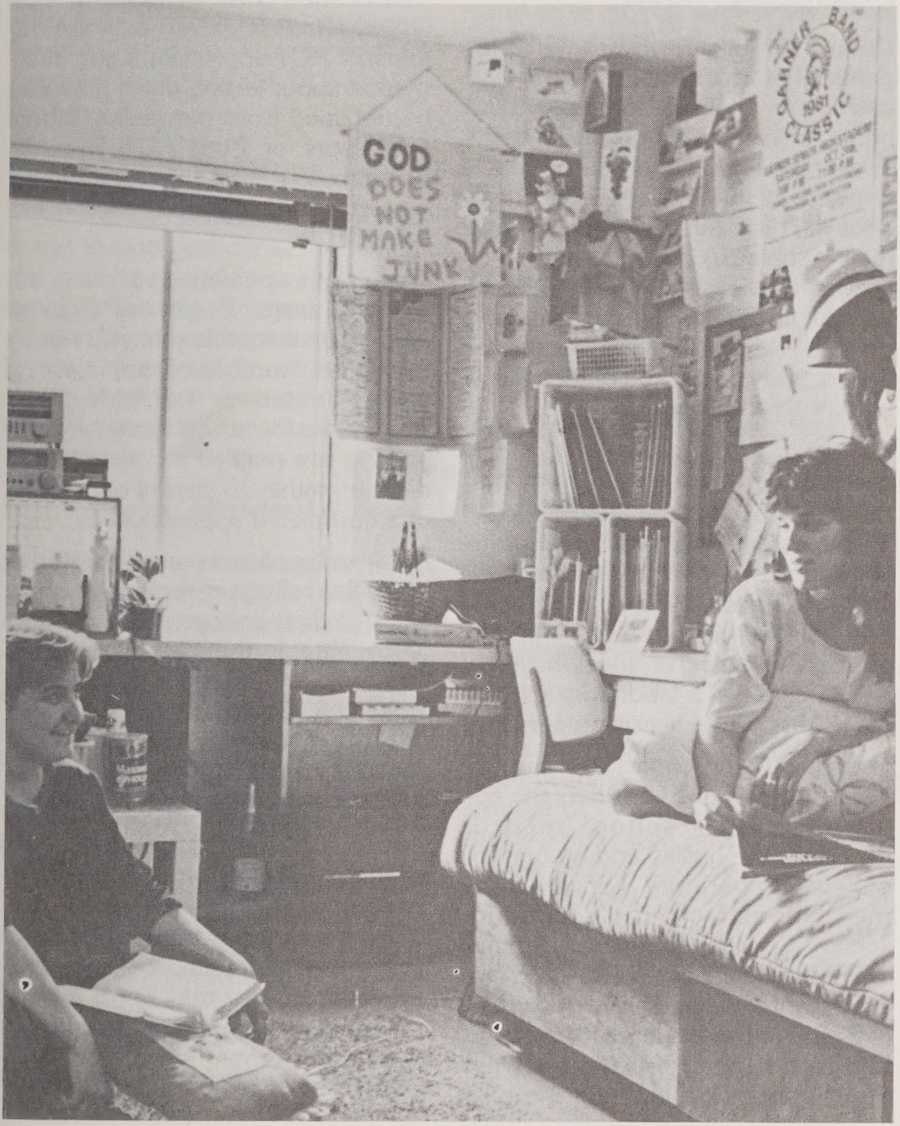
QUILL's management area provides training and customized programs for specialized groups in business and industry, either at their own company location or at Queens College. Examples of curricula available to these groups are leadership development, supervision, communication, planning, time management, and managing change.

QUILL's professional area is committed to helping professionals in the Carolinas stay current in their fields. Specific continuing education needs for attorneys, CPAs, financial planners, employee benefits specialists, and real estate professionals are met through classes, workshops, and longer seminars.

QUILL's personal area serves alumni and the Queens community with a varied curriculum in liberal arts and personal development. Precollege students are served with such courses as SAT Review, math and writing workshops. Children aged 2 through 17 are involved in gymnastics, ballet, art, and swimming classes.

Queens Compute

Queens Compute, the Personal Computer Training and Consulting Center at Queens College, has served more than 20,000 regional business people since it opened in 1984. It is the largest training facility in the Southeast with 60 IBM Personal Computers for intensive, hands-on workshops and a full-time training staff of ten. The workshop cost includes tuition, hand-outs, Certificate of Achievement, and the important customer support services of free refresher workshops, free hotline, and free newsletter. The quality of training and the customer support services have established Queens Compute as an industry leader in PC training.



Admissions, Costs and Financial Aid

Admissions

Queens College admits students regardless of race, color, sex, national and ethnic origin, or handicap to all rights, privileges, programs, and activities generally accorded or made available to students at the college. It does not discriminate on the basis of race, color, sex, national or ethnic origin, or handicap in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other college administered programs.

For Freshmen

Students applying to Queens should follow a college preparatory program in an accredited high school. Four years of English, three years of mathematics, two years of a foreign language, two years of social science, and one year of a laboratory science are recommended basic preparation.

In evaluating an application, the Office of Admissions considers the applicant's high school record, especially the quality and amount of college preparatory work; recommendations from the secondary school; College Entrance Examination Board test scores (SAT) or The American College Testing Program (ACT); and the student's own stated objectives. The SAT is the preferred test. Applicants submitting the SAT should also submit two Achievement Tests, English composition, and Math Level I. Scores are used for admissions purposes when the Admissions Committee needs additional test scores and for academic advising. SAT and achievement test applications and information about testing dates may be obtained from secondary school counselors or from CEEB, Box 592, Princeton, N.J. 08540. *Queens' CEEB code number is 5560.* ACT applications and information about testing dates may also be obtained from secondary school counselors or from ACT Records, P.O. Box 451, Iowa City, Iowa 52240. *Queens College's ACT code number is 3148.*

The college operates on a rolling admissions basis. Beginning October 15 of each academic year and weekly thereafter, completed applications are presented to the Admissions Committee for action. Generally, applicants are notified of the college's decision within 30 days of our receipt of a completed application.

Accepted applicants are requested to notify the college of their decision as soon as their college plans are firm or by May 1, the Candidate Reply Date of the College Entrance Examination Board. Queens College does not require any applicant to give notice of her decision on the offer of admission or need-based financial aid prior to May 1.

For Transfers

Queens welcomes transfer students from other accredited colleges and universities. They may apply for admission for Term I, Term II, January, or summer terms. Applicants must request their own transcripts and statements of good standing from each institution attended to be forwarded to the Office of Admissions. Transfer students are expected to have followed the recommended high school curriculum and to have maintained a minimum 2.000 average on a 4.000 scale in previous college work. For courses completed at other accredited institutions, credit usually will be transferred if the grade earned is C or better. Courses transferred from two-year institutions are classified as either 100- or 200-level courses.

For Readmission

A degree candidate who has withdrawn in good academic and financial standing, and who wishes to return to Queens may apply for readmission by submitting an application to the Office of Admissions. Transcripts of all work attempted at other institutions must be sent to the Office of Admissions.

For Special Students

Students who are not candidates for a degree but who wish to enroll for credit may apply as special students.

Special students who do not hold a bachelor's degree are limited to a cumulative total of 15 credit hours. Anyone holding a bachelor's degree is allowed the privilege of unlimited credit hours. The availability of space may limit enrollment in some courses. Special students must maintain at least a 2.000 average to continue their enrollment.

A special student who wishes to become a degree candidate must apply through the Admissions Office.

Persons interested in teacher certification who have already earned a bachelor's degree are admitted as special students. They should consult with the Director of Admissions regarding admission and are expected to complete twelve credit hours successfully at Queens before undertaking student teaching.

Transient Students

Regularly enrolled students in good standing at other colleges may enroll as transient students at Queens College for one or more semesters. A request for admission on this basis should be filed in writing with the Registrar of the college and supported by a transcript, a statement of good standing, a letter from the appropriate college official indicating approval of the visiting student's plans and of specific courses to be taken for transfer back to the parent institution.

For Advanced Placement

Students who have completed college level work in their secondary schools should take the appropriate Advanced Placement (AP) test administered by the CEEB. In most areas Queens grants advanced placement and course credit automatically if the student scores either four or five on such test. Advanced placement may be granted for a score of three, but decisions on the amount of credit to be awarded are made by the Vice President for Academic Affairs in consultation with the department in which credit is granted. Advanced placement in English is given for literature courses only.

All applicants who have taken Spanish or French in secondary school and who wish to continue study in that language at Queens should take a language achievement test for purposes of placement. Students who do not take the CEEB language achievement tests may take a language placement test after enrollment at the college.

Queens also awards credit and advanced placement to students who score satisfactorily on approved subject level test of the College Level Examination Program (CLEP). Credit will not be granted if it duplicates credit already earned. Neither grades nor quality points will be awarded, nor may CLEP credits satisfy the final 30 hours required for graduation from Queens. A recording fee of $20 for each course will be charged. Students who wish further information about CLEP should write to the Vice President for Academic Affairs.

For the successful completion of the Certified Professional Secretary examination, up to eight hours will be awarded, with the stipulation that duplicate credit will not be granted.

For Accelerated Admissions

Students with superior academic records may apply for admission during their junior year in high school. They must submit transcripts, recommendations, and SAT scores or ACT scores and schedule a conference with an admissions counselor. In some states local school authorities will grant a high school diploma after a year of college work; any such agreement is the responsibility of the student and the local authorities. A student may also obtain a high school equivalency certificate by examination.

For students who have made plans for graduate school or professional study, accelerated admissions is one way of shortening the time before they can begin their careers.

For International Students

Queens College welcomes international students. Candidates must provide the Office of Admissions with a completed college application for admission accompanied by the payment of a $15 filing fee. Applicants must ask each institution that they attended to forward their transcripts to the Office of Admissions. Transcripts must be translated into English by an official at the high school or college issuing the transcript. It is recommended that international students take the Scholastic Aptitude Test (SAT). Any student for whom English is not the first language must satisfactorily complete the Test of English as a Foreign Language (TOEFL) with a minimum score of 550 and have the score sent to the Office of Admissions. Information may be obtained by writing to the TOEFL Program, Educational Testing Service, Box 899, Princeton, New Jersey 08541. Registration arrangements should be made at least two months prior to the testing date. International students must also submit a confidential certified financial statement indicating the amount of funds available for their education in the United States.

For High School Dual Enrollment

Any student who is a junior or a senior in a Charlotte-Mecklenburg area secondary school may enroll for courses at Queens during any term when recommended by the secondary school. Credit earned under the dual enrollment program may be used at Queens or another institution as college credit when the student enrolls as a degree candidate.

Medical Report

All applicants who accept the college's offer of admission must submit a complete medical history, including a physician's certified record of immunizations. Medical forms are mailed to enrolling students and must be filed with the college prior to registration.

Alumni Admissions Representatives

Local alumni representatives are available in a number of cities throughout the country to talk with prospective students. Their names and addresses may be obtained from the Office of Admissions.

For Campus Visits

Prospective students and their families are encouraged to visit Queens. They are welcome at any time but will find visits more beneficial if scheduled when the college is in session. The Office of Admissions is open from 8:30 a.m. to 5 p.m. on weekdays throughout the year and until noon on Saturdays by appointment.

Each year a series of special overnight campus visitations is scheduled for prospective students and parents. Interested students should write to the Office of Admissions for further details.

In Summary

While there are no deadlines for applications, prospective freshmen should apply for admission early in the senior year of high school. Application forms should be obtained from the Office of Admissions and should be returned with a non-refundable $15 application fee. Special students submit a $5 non-refundable application fee. Students should request that their transcripts, SAT scores, and recommendations from the secondary school be sent to the Office of Admissions. Transfer students must request transcripts from high school and each college attended.

The Office of Admissions will act on an application as soon as all information has been received. Accepted resident students are requested to mail a deposit of $150 to accept the Queens offer of admission within 30 days of notification. Commuting students are requested to mail a deposit of $50 within the same time period. For resident students the deposit is refundable until May 1 for fall term and January 1 for spring term. Deposits for commuting students are refundable up to 30 days prior to each registration day.

Costs

While the Board of Trustees reserves the right to adjust the fee schedules at Queens at any time, the following basic fees have been established for 1988-89.

Full-time Students

Full-time students pay the College of Arts and Sciences comprehensive fee, which includes tuition and lab fees, student activity fee and other services for regular full-time students registered for 12 or more credit hours in each of Terms I and II and for three credit hours in January Term. Resident students also receive basic Health Center services at no additional cost. Commuting students requesting Health Center services will pay for such services as received.

Resident Student Comprehensive Fee	$8,675
Commuter Student Comprehensive Fee	$6,750

In addition to this comprehensive fee, full-time students pay any course fees applicable, as specified in the Course Listing section of the *Bulletin.* All resident students must select a Meal Plan (described below).

Full-time students registering for only Term I or Term II pay 50% of the appropriate comprehensive fee.

For information on Family Tuition Remission, see page 42.

Part-time Students

Part-time students (11 or fewer credit hours per term) not residing in the residence halls pay tuition of $140 per credit hour during Term I, Term II, and summer terms, and $420 for a January Term Unit. Part-time students pay a registration fee of $10 per term. In addition to this tuition and registration fee, part-time students pay any course fees and lab fees applicable, as specified in the Course Listing section of the *Bulletin.*

Part-time students residing in the residence halls pay the Resident Student Comprehensive Fee described above, regardless of the number of credit hours for which they are registered. Part-time students paying this fee do not pay tuition at the per-credit-hour rate and do not pay lab fees or the $10 registration fee. Any course fees do apply, however, as specified in the Course Listing section of the *Bulletin.* All resident students must select a meal plan (described below).

Part-time students requesting Health Center services will pay for such services as received.

Residence Halls

Double-room residence hall accommodations are included in the Resident Student Comprehensive Fee stated above. If space is available, a student may choose to have a private room for an additional $380 per year. Details of the private room policy are available in the Office of Student Development.

Room rent for the Live, Work, Study program is $250 per month. A complete schedule of Live, Work, Study charges may be obtained from the Office of Student Development.

Meal Plans

Queens offers two meal plans for the convenience of its students. All resident students, both full-time and part-time must select a meal plan.

	*Annual Rate**	*January Term*
Plan I (21 meals per week)	*$1,625*	*$160*
Plan II (15 meals per week)	*$1,525*	*$150*

**Annual rate includes Terms I and II only.*

Meal Plan II includes any 15 of the 21 meals offered during the week. Students select the meal plan they prefer during registration each term, after which the choice of meal plan for that term cannot be changed.

Students with special dietary needs should have a physician outline these needs in a letter to the Dean of Student Development so that the Food Service can prepare their meals accordingly.

Other Academic Fees

Reservation Fee

A reservation fee is required for new full-time students upon acceptance of admission to the college and for returning full-time students by April 1. The reservation fee is applied toward tuition for the applicable term. The fee for resident students is $150 and is nonrefundable after May 1 for Term I and Jan. 1 for Term II. The fee for nonresident students is $50 and is nonrefundable within 30 days of registration for the applicable term.

Orientation Fee

An orientation fee is required for all new students (excluding New Dimensions students). This fee is $25 and is included in the fall term billing mailed in July, payable by August 15.

Course Fees and Lab Fees

Specific course fees and lab fees are given in the Course Listing section of the *Bulletin*. Lab fees are included in the College of Arts and Sciences Comprehensive Fee; students paying this Comprehensive Fee do pay course fees as applicable. Approximate fees per course are as follows:

Art course fees	$25-45
Business/Computer lab fees	$50
Music course fees (see Applied Music below)	
Nursing course fees	$25
Physical education course fees:	
Horseback riding	Approx. $150
Other	Approx. $25
Science lab fees	$25
Student teaching course fee	$50

Applied Music Course Fees

All full-time and part-time students must pay the following course fees in addition to the appropriate comprehensive fee or part-time per-credit-hour tuition outlined above.

Weekly half-hour private music lesson	$75
Additional weekly half-hour private music lesson in same or different applied area	$60
Practice studio rental	$15
Instrument rental	$15
Organ practice	$25

Part-time students taking Music 170 or Music 180:

Weekly half-hour private music lesson	$154
Additional weekly half-hour private music lesson in same or different applied area	$154
Practice studio rental	$30
Instrument rental	$30
Organ practice	$35

January Term

Tuition and residence hall accommodations for full-time students taking a January Term unit or a course for credit are included in the comprehensive fee. Meals are not included. That is, a student who pays the comprehensive fee in either Term I or Term II or both may take a January Term unit or course at no additional tuition or room charge, paying only for the meals.

Students not paying the comprehensive fee in either Term I or Term II pay tuition for January Term at the rate of $140 per credit hour or $420 for a January Term unit.

Every student residing in the residence halls during January Term must select a meal plan, payment for which is due by registration for January Term.

Summer Terms

The part-time tuition of $140 per credit hour is paid by everyone registering for summer courses: there is no comprehensive fee during the summer. Room and board fees are announced in the spring prior to summer pre-registration.

Independent Study Courses

Independent study courses running concurrently with a regular term are included in that term's credit hours for determining the appropriate tuition (comprehensive fee or per-credit-hour tuition). Independent study courses not coinciding with a regular term are paid at the part-time tuition rate of $140 per credit hour or included in the comprehensive fee, as appropriate.

Auditing Fee

The auditing fee is $85 per credit hour. Drop/Add and withdrawal procedures apply to audited courses.

Courses Designated "99"

Part-time students taking courses designated by course number "99" pay tuition of $150 per course.

Dual Enrollment (College of Arts and Sciences and New College or Graduate School)

Degree candidates in the College of Arts and Sciences taking a total of 12 or more credit hours pay the comprehensive fee regardless of the division of their credit hours between the College of Arts and Sciences and the New College or Graduate School. Degree candidates in the College of Arts and Sciences not paying the comprehensive fee pay part-time tuition rates of the College of Arts and Sciences and the New College and Graduate School, as applicable.

Career Center Fees

Career Center services are available to College of Arts and Sciences students at no additional charge. Persons *not* enrolled in the College of Arts and Sciences may obtain a fee schedule from the Career Center.

Special Fees

Application Fee for Degree Candidates (non-refundable)	$15
Application Fee for Non-Degree Candidates (non-refundable)	$5
Graduation Fee	$50
Late Registration Fee (non-refundable)	$5
Recording Fee per course	$20
Transcript Fee	$3
Parking Permit	$10
Identification Card Replacement	$3

Queens Conservatory Music Fees

A separate fee schedule for the Conservatory's applied music program may be obtained from the Music Department.

Live, Work, Study Fees

A separate fee schedule for the Live, Work, Study program may be obtained from the Office of Student Development.

Payment Schedule for Typical Full-Time Student

	Resident	Commuter
Due upon acceptance:		
Reservation fee	$150.00	$50.00
Due by August 15 or in installments:		
Fall comprehensive fee	4,187.50	3,325.00
Fall meal plan (Plan II, e.g.)	762.50	
Medical insurance annual premium (optional)	87.00	87.00
Room damage deposit (new students only)	50.00	
Orientation fee (new students only)	25.00	25.00
Due by September 15		
Fall course fees (determined at registration when specific courses are finalized)	xx	xx
Due by January 2:		
January meal plan (Plan II, e.g.)	150.00	
Due by January 15 or in installments:		
Spring comprehensive fee	4,337.50	3,375.00
Spring meal plan (Plan II, e.g.)	762.50	
Due by February 15:		
Spring course fees	xx	xx

Other Expenses

Insurance

All full-time students are eligible for coverage under the Student Accident and Sickness Insurance Plan and will be covered unless an exemption request form is filed with the Business Office. Brochures outlining the coverage and costs are sent to all full-time students with the fall term billing.

Room Damage Deposits

New resident students are required to make a Room Damage Deposit which is refunded with interest, less the cost of any damages, after the student is no longer a resident. This deposit of $50 is included in the fall term billing mailed in July, payable by August 15.

Challenge Examinations

The fee for each internally set Queens College challenge examination is $75. The fee for nursing challenge examinations is defined by the National League for Nursing and can be obtained from the Nursing Division. A recording fee of $20 is charged for each course added to the student's transcript.

College Level Examination Program (CLEP)

The fee for each CLEP test is $30. A recording fee of $20 is charged for each course added to the student's transcript.

Miscellaneous Expenses

The cost of books and supplies varies with courses taken, but the average expense is $375 per year. Non-college expenses such as travel, clothing, entertainment and incidentals vary according to individual student needs. Students joining sororities will have additional cost for initiation, dues and special assessments. Laundry is not included in the comprehensive fee. (Coin-operated machines are available in each residence hall.) While the comprehensive fee provides for basic Health Center services for resident students,, all students are responsible for paying any charges for special visits, consultations, medicines, laboratory work and hospitalization. When emergency room care or hospitalization is required, arrangements have been made to bill the charges to the college which, in turn, will bill the student. Business Office personnel will assist the student in filing claims under the Queens College Student Accident and Sickness Insurance Plan. Claims under other policies should be filed directly with the insurance company by the student or parent.

Regulations Regarding Payment

Upon signing the application for admission, the parent or guardian, or the applicant, if not a dependent, accepts as binding and contractual all fees and regulations set forth in the *Bulletin*.

1. Fifty percent of annual tuition, room, and board fees, less applicable deposits paid, is payable on or before August 15, 1988, and the remaining 50 percent is payable on or before January 15, 1989.

A fall term billing package is mailed in July, and a spring term billing package in December to all full-time students. Part-time students pay upon registration for the applicable term.

2. Credits for financial aid and/or the North Carolina Legislative Tuition Grant are divided equally between the fall and spring terms. Students who desire to apply Work Study earnings to their accounts may make arrangements with the Business Office. (Questions concerning financial aid should be directed to the Director of Financial Aid.)

3. Scholarship awards may be applied against the $150 reservation fee only if total financial aid is equal to or greater than the total of room, board, and tuition.

4. A student is not permitted to attend classes until satisfactory arrangements have been made to meet all financial obligations. Continued class attendance is contingent upon maintaining good financial standing throughout the term.

5. Diplomas, certificates, and transcripts are granted only when the student's accounts have been paid in full.

Deferred Payments

Queens College offers a Deferred Payment Plan for Term I and Term II. The Deferred Payment Plan is not available for January Term or the summer terms. The Term I payment due on August 15 may be made in four equal installments, payable on the 15th of August, September, October, and November. The Term II payment due on January 15 may be made in four equal installments, payable on the 15th of January, February, March, and April.

A deferment fee is incurred each term during which the Deferred Payment Plan is selected. A late payment penalty is incurred if an installment is not paid during the month in which it is due. This penalty is assessed on the last day of each month for each past due installment or portion thereof. The schedule of deferment fees and late payment penalties is available in the Business Office.

Other Payment Plans

Queens College endorses the services of two tuition budgeting programs:

1. The Academic Management Services (AMS) Plan enables families to pay all or part of the annual fees in monthly installments over a period of ten months. The only cost is a $45.00 annual enrollment fee. The plan is not a loan since there are no interest or finance charges. Information is available in the Financial Aid Office and the Business Office.

2. "The Tuition Plan" is a payment and/or loan program which is administered directly by the Tuition Plan, Inc. Applications are available from the Financial Aid Office upon request.

Withdrawal—Illness

Students who withdraw from the college during the academic year as a result of illness will have tuition, room, board, lab and course fees prorated as of the date of withdrawal, provided the physician recommends withdrawal in a letter to the Vice President for Academic Affairs.

Withdrawal—Academic Ineligibility

A student determined to be academically ineligible to return by the Student Qualifications Committee of the college will receive a refund if the student has made payments or has a credit balance toward the next term's tuition and fees. Such decisions are made at the end of each term.

Withdrawal—Other Reasons

Students who withdraw from the college or from one or more courses on their own initiative will have tuition, room, board, lab and course fees for the current term prorated according to the following schedule:

	Term I	Term II
0 charged if withdrawing by	8/31/88	2/6/89
25% charged if withdrawing by	9/7/88	2/13/89
50% charged if withdrawing by	9/14/88	2/20/89
75% charged if withdrawing by	9/21/88	2/27/89
100% charged if withdrawing after	9/21/88	2/27/89

	Summer Term I	Summer Term II
0 charged if withdrawing by	5/24/89	6/23/89
50% charged if withdrawing by	5/31/89	6/30/89
100% charged if withdrawing after	5/31/89	6/30/89

There is no proration of tuition and fees upon withdrawal from the January Term after registration.

Students suspended by the college will have tuition, room, board, lab and course fees prorated according to the above schedule.

Students who feel that individual circumstances warrant exception to the above-stated policy may appeal to the Financial Policies Committee, provided such appeal is made in writing to the Treasurer and Business Manager before the end of the term for which proration is requested.

Withdrawal Involving Financial Aid

If the Business Office determines that the student is due a refund and all or part of the student's institutional charges were paid with financial aid funds, all or a proportionate part of the total refund must be returned to the Title IV Financial Aid Accounts and may be returned to other financial aid accounts if necessary.

Amount to be returned will be determined as follows:

1. Title IV Aid (minus CWS Earnings)/ Total Aid Package (minus CWS Earnings) = x/y.

2. This fraction (x/y) will be applied to the total refund due.

3. The resulting amount is the amount of the TItle IV Funds to be returned to Title IV Programs.

Queens policy is to distribute this total amount of funds to Title IV Programs in the following order, in no case exceeding the total amount originally awarded from that fund:

(1) Supplemental Educational Opportunity Grants
(2) Perkins Loans
(3) Pell Grants
(4) Guaranteed Student Loans
(5) Other Programs (State and institutional)

A detailed worksheet of refund policy is available in the Financial Aid office and is provided to students upon request or upon withdrawal.

Withdrawal—Academic Regulations

For further information regarding the withdrawal procedure, see the section on "Withdrawal from the College" under Academic Regulations.

Financial Aid

Queens realizes that as a private institution which places the quality of the educational experience above other considerations, the cost of attending Queens becomes a matter of overriding importance for many families. Applicants should not hesitate to apply for financial assistance. Queens will attempt to meet the demonstrated financial need of applicants and welcomes the opportunity to work with students and their parents. Although most awards are based on financial need, some aid is based on the academic and leadership abilities of applicants, whether or not they have demonstrated need.

In order to receive financial aid, students are expected to be enrolled for at least six credit hours per term.

Federal Programs

Pell Grants are available to eligible undergraduate students on the basis of financial need. The grants range from $200 to $2,100 per academic year. A student must submit the Student Aid Report to the Office of Financial Aid at Queens to determine the amount for which the student is eligible. A signed copy of the 1987 income tax return of the family is required for documentation before the awarding of a Pell Grant.

Supplemental Educational Opportunity Grants (SEOG) are available on an annual basis to undergraduate students with high financial need. These grants range from $100 to $4,000 and may be renewed from year to year.

The College Work Study (CWS) program assists qualified students to meet educational expenses through employment on campus during the academic year at a specified hourly rate. Eligibility for this program depends upon financial need.

Perkins Loan Program (The National Direct Student Loan) permits students with established need to borrow up to $4,500 during their freshman and sophomore years and up to a total of $9,000 during their undergraduate programs. These loans bear a five percent annual interest rate during repayment. Repayment begins six months after the borrower ceases to be at least a half-time student and may extend over a period of ten. years. If the borrower enters certain public-service occupations, the loan may be canceled.

The Guaranteed Student Loan program permits students, upon recommendation of the college, to borrow from a bank or other financial institution—with a federal government guarantee of repayment—as much as $2,625 a year with a $17,250 maximum for dependent undergraduate students. Terms for the loans and applications may be obtained from participating banks or agencies in the state in which the student resides. The college will provide any interested student with the address to contact in her state. All students must submit a needs analysis (FAF) in order to determine if they qualify.

PLUS Loan Program (Parent Loans for Undergraduate Students) allows parents to borrow up to $4,000 per year per dependent undergraduate child, not to exceed the cost of attendance minus any financial aid. The cumulative maximum is $20,000 per child. Interest is currently 10.27%, but is variable, and repayment is required to begin within 60 days after disbursement. Loans are administered through participating lenders in the state in which the student resides.

The amount of funds available to Queens students under SEOG, CWS, and NDSL programs is determined by allocations made to the college each year by the U.S. Department of Education. All federal programs are subject to revision of funding or regulation by congressional action.Students are encouraged to contact the Office of Financial Aid for the most up-to-date information on these programs.

North Carolina Programs

The State Contractual Scholarship Fund is provided to Queens College by an act of the North Carolina General Assembly. Scholarships are available to full-time undergraduate students who are legal residents of North Carolina. This fund assists qualified students who demonstrate need.

North Carolina Legislative Tuition Grants in the amount of $1,100 per academic year are available to North Carolina residents pursuing their first bachelor's degree and enrolled for twelve credit hours per term.

The North Carolina Student Incentive Grant Program (NCSIG) provides grants up to $2,500 per academic year for eligible students who are North Carolina residents. Recipients must demonstrate substantial financial need. Need analysis information should be provided to College Foundation, Inc., of Raleigh, North Carolina, before March 15.

The North Carolina Insured Student Loan Program permits state residents enrolled at least half-time to borrow through the College Foundation, Inc., up to $2,625 for undergraduate and $7,500 for graduate study per academic year at 8 percent annual interest during repayment. All students must submit to a needs analysis (FAF) to determine if they are eligible.

The James E. and Mary Z. Bryan Foundation Student Loan Plan permits North Carolinians enrolled in full-time undergraduate programs to borrow, through College Foundation, Inc,. a maximum of $2,500 per school year with an aggregate of $12,500 at an interest rate of 9 percent. Application forms may be obtained from College Foundation, Inc.

The North Carolina Student Loan Program for Health, Science, and Mathematics, permits North Carolinians enrolled full-time in eligible Health, Mathematics, and Science programs to borrow a maximum of $2,500 per school year through appropriations made by the General Assembly. Interest during in-school period is 8 percent; the out of school interest is 9 to 14 percent, depending upon state of employment. Information and loan applications are available through the Office of State Budget and Management, Raleigh, North Carolina, or through the Queens Financial Aid Office.

The North Carolina Prospective Teachers Scholarship Loan Fund is awarding scholarships in the amount of $2,000 for each regular school year. The criteria for awarding scholarships shall be measures of academic performance including grade point average, scores on standardized tests, class rank, and recommendations of guidance counselors. Teaching in North Carolina public schools upon graduation allows cancellation of the loan at a defined amount per year of service. If interested, apply in writing to the Prospective Teachers Scholarship Loan Fund, State Department of Public Instruction, Raleigh, NC. Further information is available in the Financial Aid Office.

College Programs

Departmental Scholarships are available to a limited number of freshmen and upperclassmen with outstanding achievements in specialized areas. These scholarships are currently available in the Departments of Biology, Chemistry, and Music.

Presidential Scholarships are offered by Queens College to at least ten new students each year. These are scholarships covering tuition (less any financial aid received so that need is not exceeded) at Queens. The Presidential Scholarships are based strictly on academic achievement; financial need is not a factor in selection. Scholarships are renewable for three years based on academic performance.

Applicants usually rank in the top 10 percent of their high school class and average College Board SAT scores are 1250 or more.

Consideration may also be given to involvement in church or school activities, leadership and influence with peers, and exceptional talent or interest in a particular field of activity.

Queens Scholar Awards are available annually to new students who have exhibited outstanding records in scholarship and leadership. The amounts of these awards vary and they are renewable for three years based on academic performance.

Carol G. Belk Scholarship Awards are available annually to outstanding new students. Recipients are chosen on the basis of their leadership records in school and community, academic ability, and potential for continuing leadership at Queens. The amounts of these awards may vary, and each is renewable for three years based on the student's academic performance.

Redd Special Achievement Awards are made annually to students who have demonstrated talent or ability in a special area. Amounts of these awards vary, and they are renewable based on performance.

Dana Scholarships are awarded annually to students in each of the sophomore, junior, and senior classes. The student must maintain outstanding records for scholarship and leadership. The scholars receive an honorarium and the financial needs of Dana Scholars are also met. Recipients are selected, at the recommendation of faculty, by the Faculty Honors Committee.

New Dimensions Fellowships are available to students making applications as degree candidates in the College of Arts and Sciences and to currently enrolled degree candidates who have not completed more than 24 semester hours at Queens. New Dimensions awards will be made on the basis of academic promise and personal achievement. Each fellowship covers tuition up to $1,000 per academic year. Recipients are selected by a committee of faculty members.

National Presbyterian College Scholarship Program

Queens College is one of 65 Presbyterian-related colleges which participate in the NPCSP. The NPCSP affirms excellence in scholastic ability and leadership and encourages superior students to attend Presbyterian-related colleges. Funds for awards are provided by the colleges and the Presbyterian Church (USA) Vocation Agency. Applications are available to confirmed members of the Presbyterian Church (USA) through high school guidance offices and churches. All forms must be completed and received by December 1. Finalists are selected by a National Committee in mid-March. Scholarship amounts are determined on the basis of financial need.

Presbyterian Loan Fund

$500 or $1,000 per year may be borrowed by undergraduate students who are members of the Presbyterian Church (USA) and who give evidence of financial need. Interest of eight percent is charged on the unpaid balance, and payments and interest begin six months after the student leaves school. For further information, contact the Financial Aid Office, or the General Assembly Mission Board, Presbyterian Church, Atlanta, GA.

Ministerial Tuition Remission

Tuition remission is available to any full-time student who is the dependent or spouse of an active Presbyterian minister. Dependents of active ministers of the Presbyterian Church (USA) Synods of North Carolina and the Southeast will receive a 20 percent tuition remission. Dependents of active ministers in all other synods of the Presbyterian Church (USA) will receive a 15 percent tuition remission.

Family Tuition Remission

Tuition remission is available to any incoming student whose family currently has one or more family members already enrolled at Queens on a full-time basis. A 10 percent tuition remission will be granted to the incoming member of the family, providing that two or more dependents will be enrolled on a full-time basis during the same academic year.

To Apply

To apply for financial assistance students must have been admitted to Queens as degree candidates and must complete and submit two application forms:

(1) The Queens College Application for Financial Aid, to be submitted to the Director of Financial Aid, Queens College, Charlotte, North Carolina 28274.

(2) The Financial Aid Form (FAF), to be submitted to the College Scholarship Service, Box 2700, Princeton, New Jersey 08541. The student should list Queens College, Charlotte, North Carolina, CSS code #5560, as the institution to receive the report.

(3) A copy of parents' 1987 income tax return may be required for validation purposes if federal funds are awarded, as well as other documentation.

All forms are available from Queens' Office of Financial Aid. The Financial Aid Form may also be obtained from high school guidance counselors.

Applications for financial aid should be submitted by entering students as early as possible during the senior year. Notification of action by the college will be sent after Queens receives an evaluation of the applicant's need from the College Scholarship Service.

Financial Aid Policies

Most financial aid programs are renewable throughout the undergraduate years if the recipient demonstrates satisfactory progress toward graduation, but renewal of aid is not automatic. The Student Qualifications Committee evaluates the progress of students at Queens and determines eligibility for continuing enrollment, according to the standards indicated on page 57 under Student Qualifications. Students receiving federal Title IV financial aid funds must meet these minimum standards as well as a minimum credit hour accrual indicating progress toward the completion of a degree. A detailed statement of satisfactory progress standards is sent to all financial aid recipients along with notification of award and is available upon request from the Financial Aid Office.

Since renewal of financial aid is not automatic, rising sophomores, juniors, and seniors must reapply to the Office of Financial Aid for assistance each year. The amount offered in grants, loans, and work study funds also may vary from year to year.

Financial aid recipients who withdraw during the school year and are due a refund under the established Queens refund policy, must return an appropriate portion of the refund according to the policy entitled "Withdrawal—Financial Aid Policy."

Students receiving aid under certain programs are expected to assume weekly work assignments at the college. Assignments are determined by the amount of aid received and the student's particular interests and skills. Renewal of students' work study assignments each year will be contingent upon financial circumstances as well as previous performance on the job.

Queens College reserves the right to review and modify an offer of financial aid should the recipient receive aid from other sources after the Queens program has been offered.

The Academic Program

Queens College offers programs in the College of Arts and Sciences leading to five bachelor's degrees: the Bachelor of Arts, the Bachelor of Music, the Bachelor of Science, the Bachelor of Science in Nursing, and the Bachelor of General Studies.

Students may work for two degrees simultaneously provided that they earn different majors within the degrees and provided that they earn, at Queens, at least 30 additional hours beyond the normal degree requirements.

Majors or concentrations within the degree programs are listed below with the pages on which the specific requirements for the major are given.

Bachelor of Arts

Accounting 64
American Studies 106
American Art/Museum Studies 109
Art 70
Biochemistry 118
Biology 114
Business Administration 64
Business/Foreign Language 110
Communications 90
Education 134
English 84
English/Drama 89
European Studies 109
French 94
History 98
Latin-American Studies 110
Mathematics 124
Museums, Archives, and Historic Sites 102
Music 74
Political Science 140
Psychology 142
Religion 105
Sociology 145
Spanish 96

Bachelor of Music

Applied Music (piano, voice, organ, strings, or other instruments) 75
Music with Elective Studies in Business 75
Music Education 75
Music Therapy 75
Piano Pedagogy 75
Sacred Music 75

Bachelor of Science

Applied Mathematics 124
Biochemistry 118
Biology 114
Computer Science 121
Mathematics 124
Medical Technology 127
Radiologic Technology 127

Bachelor of Science in Nursing 129

Bachelor of General Studies 49

The Bachelor of General Studies is a flexible degree program for the New Dimensions (adult) student, who, in consultation with an adviser, selects an area of emphasis and a sequence of elective courses to fit the student's own particular needs and circumstances. The area of emphasis may or may not be one of the specific majors offered in the other degree programs. For further information, see"Bachelor of General Studies"under"Degree Programs"below.

Degree Requirements

Degree Requirements for the Bachelor of Arts, Bachelor of Music, Bachelor of Science, and Bachelor of Science in Nursing for traditional students in the College of Arts and Sciences are as follows:

(1) A minimum of 122 semester hours;

(2) A minimum number of semester hours in the major (that number being stipulated under the description of each major);

(3) A minimum cumulative quality-point average of 2.000 in all work completed at Queens and in all work in the major;

(4) Distributed Requirements in nine areas of concentration;

(5) Proficiency in basic English usage and in basic mathematics as demonstrated through departmental tests;

(6) Two January Term units of credit;*

(7) At least 36 semester hours in courses at the 300 level or above;

(8) At least 60 of the 122 semester hours completed at Queens;**

(9) The last 30 of the 122 semester hours in residence at Queens or in a Queens-approved program; and

(10) Attendance at the three annual college convocations (Senior Recognition, Honors, and Awards).

Exceptions

*Students who transfer in 60 or more hours from another institution need only one January Term unit.

**Students who hold an undergraduate degree (either from Queens or from another accredited institution) and are seeking a second degree must complete at least 30 semester hours at Queens, over and above the hours earned for the first degree. Students who have not earned a bachelor's degree, but who have earned more than 60 hours at the undergraduate level, may apply through the Vice President for Academic Affairs to the Student Qualifications Committee for a possible reduction of the 60-hour requirement. (A student must have completed at least 60 hours at Queens College to be eligible for graduation with honors.)

Regulations

A student must fulfill the degree requirements set forth in the Bulletin which is current when the student enters Queens College.

A student must be in good standing with the Honor Code at the time that a degree is awarded.

Though the college makes every effort to counsel the student in planning a program and selecting courses of study, the student is ultimately responsible for fulfilling all requirements for a degree.

New Dimensions Degree Requirements

The degree requirements and regulations for New Dimensions (adult) students are the same as those for traditional students (above) with the following *exceptions:* for New Dimensions students (1) Area VIII of the Distributed Requirements (two physical education courses), (2) January Term units, and (3) attendance at convocations are *not* required. New Dimensions students must complete a minimum of 122 semester hours.

The college does encourage New Dimensions students to attend convocations, to participate in the January Term, and to take physical education courses.

Educational Program

The educational program leading to a bachelor's degree is composed of four inter-related parts: a major program; a program of Distributed Requirements; a program of elective hours which may include the choice of another major, secondary teacher certification, or a minor; and a January Term program.

Major Program

The purpose of a major is twofold: to give the student the opportunity to go far enough into a field to achieve some mastery of it; and to enable the student to acquire knowledge, skills, and perspectives which may help to make him or her effective in a career. Working with his or her adviser, the student will plan a major in one of two categories: departmental or interdisciplinary. The requirements for each major are described in detail under each discipline in the succeeding section, "Courses of Instruction." The student may, of course, elect to pursue two majors.

Distributed Requirements

Just as the major program provides the student with academic depth, the Distributed Requirements provide the breadth to be found in the liberal arts.

The Distributed Requirements, totaling at least 41 hours, assist the student in developing a program of study which will be broadly representative of liberal arts studies. With one exception (Area I) these courses may be taken at any time during the student's years of attendance. However, since the courses which satisfy the Distributed Requirements are generally introductory to the prescribed disciplines, and since it should be advantageous for the student to explore a variety of disciplines as early as possible, it it usually desirable for the student to satisfy most of the Distributed Requirements by the end of the sophomore year.

Courses which meet Distributed Requirements in Areas II-VIII are designated under each department heading in the course descriptions. Please refer to those sections for more detailed information. Students are advised to investigate as many disciplines as possible within the framework of the Distributed Requirements and through elective courses.

Distributed Requirements

Area		*Number of Courses (3 credit hours or more)**
I.	Communication Skills I and II *(taken in freshman year)*	2
II.	French, Spanish, Mathematics	2
**III.	History; Religion	2
IV.	Biology, Chemistry, Physics, Environmental Science	2
***V.	Economics, Political Science, Psychology, Sociology	2
***VI.	Art, Literature, Music	2
VII.	Computer Science	1
VIII.	Physical Education	2
****IX.	Exploratory or Professional Internship	1

* *Except Physical Education (Area VII) which offers 1 credit hour per course and Computer Science (Area VII) and Internship (Area IX) which may be elected for varying hours of credit*

** *One course from each discipline*

*** *Courses to be chosen from two disciplines within the area*

**** *See sections on Education and Nursing*

Elective Courses

In consultation with a faculty adviser, the student chooses elective courses (in addition to those which meet distributed and major area requirements) to complete the hours required for graduation. Electives afford an opportunity to add another major or minor program, to gain secondary teacher certification, to study in fields which directly support the major program, and to gain knowledge in additional areas.

Minor Program

An undergraduate program may include one or two minors in a department, or departments, other then the major. The minor consists of a minimum number of hours and a prescribed program of courses described in detail under each discipline offering a minor. Minor programs must be approved by the faculty adviser and the department concerned.

January Term

The January Term at Queens College provides a period of study during which a student concentrates on one course or learning experience. This may consist of one of the special leadership courses, off-campus travel (frequently a study tour abroad), Outward Bound, an internship, an independent study, a directed readings course, or a specially arranged interdisciplinary symposium. The leadership courses are designed primarily for freshmen and sophomores and are a unique aspect of the total learning experience at Queens. Two January Term units are required for graduation. All January Term units are graded on the Pass/Fail basis.

English Proficiency

In order to stress the importance of correct and effective English usage, and in accordance with the Queens Concept, Queens requires *all* students in the College of Arts and Sciences to pass the English Proficiency Test in order to meet graduation requirements. All students, whether freshmen or transfer students, are expected to take the Proficiency Test administered by the English Department by the end of their first year at Queens. Those who have difficulty with the test are expected to enroll in English 99.

Mathematics Proficiency

As a part of the Queens Concept, all students are expected to demonstrate proficiency in basic mathematics by passing a test to be administered by the Mathematics Department at announced times during the first and last weeks of the fall and spring semesters and the summer session. It is recommended that this be completed by the end of the sophomore year; in any case, it must be successfully completed before graduation. Special non-credit mathematics courses are offered each semester to help those not passing the proficiency test. Students must pass the mathematics proficiency test before enrolling in any mathematics course for credit.

Physical Education

Two physical education courses must be taken, preferably by the end of the sophomore year, to satisfy Area VIII of the Distributed Requirements. (No specific course is required; however, non-swimmers are encouraged to take PE 51, Beginning

Swimming, in the fall semester of their freshman year.)

No more than two hours of physical education may be used to satisfy the 122 semester hours required for the bachelor's degree, but students may enroll in as many physical education classes as their schedules permit.

Students requiring exemption from physical education activities for medical reasons must make such requests through the Vice President for Academic Affairs with a letter from their personal physician.

Chronic conditions which would warrant exemption are to be noted on the student's medical examination form.

Any student exempt from physical education for medical reasons must still have 122 hours for graduation.

New Dimensions degree requirements do not include physical education courses.

Degree Programs

Bachelor of Arts

A major for the Bachelor of Arts degree shall consist of no fewer than 30 credit hours. No more than 40 hours in the major department shall be required; students may, however, at their own initiative take more than 40 hours in a major department. Specific requirements for each major are stated in the material on the departments in "Courses of Instruction."

Bachelor of Science

A major for the Bachelor of Science degree in the areas of biology or biochemistry shall consist of no fewer than 32 credit hours. Language proficiency at the intermediate level is also required. Specific requirements for each of the major programs are stated in the material on the departments in "Course of Instruction." Credits earned at non-academic institutions may be used toward B.S. degrees with majors in allied health areas, medical technology, and radiologic technology, only.

Bachelor of Science in Nursing

The major for the Bachelor of Science in Nursing degree is composed of approximately one-half nursing courses and one-half liberal arts courses, which include the Queens College Distributed Requirements and liberal arts electives. Applicants who have been accepted by Queens College must also apply to the Nursing Division for acceptance into the nursing major. Students are encouraged to declare their interest in nursing by the end of the first year. Provisions are made for the acceptance of persons who may wish to transfer into the program or apply for advanced standing (registered nurses, persons seeking a second degree, or individuals wishing to transfer from another institution). Information concerning the program is available from the Division of Nursing.

Bachelor of Music

There are six major programs leading to the degree of Bachelor of Music: applied music, piano pedagogy, music with elective studies in business, music education, music therapy, and sacred music. The minimum requirements in each are as follows: in applied music, no fewer than 75 hours in music; in piano pedagogy, no fewer than 73 hours in music; in music education, atleast 69 hours in music; in music therapy, no fewer than 60 hours in music and 12 hours in music therapy courses; in sacred music, from 69 to 74 hours in music courses; in music with elective studies in business; no fewer than 61 hours of music courses.

Bachelor of General Studies

The Bachelor of General Studies is a degree for the adult student, age 23 and older. It is a flexible program, designed to allow students to structure a course of study to fit their own particular needs and circumstances. For the Bachelor of General Studies degree, the following are required:

(1) A minimum of 122 semester hours;

(2) A minimum of 30 semester hours in either a major or an area of emphasis (more than 30 semester hours if the major requires it);

(3) A minimum cumulative quality point average of 2.000 on all work completed at Queens and on all work in the major or area of emphasis;

(4) Proficiency in basic English usage and in basic mathematics as demonstrated through departmental tests.

(5) At least 36 semester hours in courses at the 300 level or above;

(6) At least 60 of the 122 semester hours completed at Queens;

(7) The last 30 of the 122 semester hours in residence at Queens or in a Queens approved program.

The B.G.S. degree does not require the Distributed Requirements obligatory for the other bachelor's degrees.

The individual emphasis is designed to meet the student's personal educational objectives. The area of emphasis may or may not be one of the specific majors offered in other degree programs. The elective hours chosen in consultation with the student's adviser will be determined by the individual emphasis. Upon entering the program, the student will, with an adviser's guidance, plan the appropriate course of study, *subject to final approval of the adviser's department, division chairman, and the Vice President for Academic Affairs.* A student should have the plan of study approved as early as possible, and not later than the beginning of the final year of study.

A central feature of the Bachelor of General Studies program is the close interaction of the student with an adviser who helps plan a program of study as well as evaluates progress from time to time.

The Bachelor of General Studies is a degree program which offers excellent career preparation and options for the older adult wishing to obtain a college degree. Additional information on this degree is available from the Office of Admissions.

Music Therapy

Under the Bachelor of Music degree, the Music Department offers a 4$^1/_2$-year major in the field of music therapy. The Queens program is accredited by the National Association of Music Therapy, Inc. and the National Association of Schools of Music.

The music therapy major prepares a student for work with children and adults who require special therapy because of behavioral, learning, or physical disorders. A special bulletin containing all pertinent information about this program is available from the Chairman of the Division of Fine Arts, Queens College.

Teacher Education

A teaching certificate, either at the early childhood, intermediate, or secondary level, may be secured with the Bachelor of Arts degree. Teaching certification is also possible under the Bachelor of Music program. The Bachelor of Music degree in music education is described on page 75. Details of the major in early childhood education, intermediate education, and of teacher certification programs at the intermediate and secondary levels are given on pages 134-135 and in the departmental bulletins about teacher education. These bulletins are available in the offices of the Registrar and of the Education Department.

Students must apply to the Education Department for admission to the Teacher Education Program by the end of the sophomore year, at which time they are required to take two of the National Teacher Examination Core Batteries—one on General Knowledge and one on Communication Skills. Application for student teaching must be made in the fall of the senior year.

Prior to completion of the program, students must take the last two sections of the National Teacher Examination—Professional Knowledge and Specialty Area. Complete information and application forms may be obtained from the Education Department.

Persons interested in teacher certification who have already earned a bachelor's degree are admitted as special students. They should consult with the Director of Admissions regarding admission and are expected to complete a minimum of twelve credit hours successfully at Queens before undertaking student teaching.

For further information, students may consult the Director of Teacher Education Programs.

Note: Graduate students seeking teacher renewal credit or teacher certification may also enroll in courses at Queens. For details, interested students should contact the Office of Admissions.

Queens-PSCE Dual Degree Program

Queens College has an arrangement with the Presbyterian School of Christian Education in Richmond, Virginia, whereby a student can earn both the Bachelor of Arts and Master of Arts degrees by studying for three years at Queens and for two years at the PSCE—instead of the total of six years normally needed to earn both degrees. The student is required to complete 92 credit hours at Queens and will receive the B.A. degree from Queens upon completion of the necessary 30 additional hours in appropriate courses at the PSCE. The student must, of course, satisfy all other degree requirements as well.

Students who pursue this program

may select any one of twelve majors: art (art history), biology (B.A.), English, French, history, mathematics, music (B.A.), political science, psychology, religion, sociology, or Spanish. In each case, there is a prescribed curriculum and the student works closely with an adviser to plan the course of study. Other majors may be considered if the student is able to work out a curriculum satisfying all requirements within the three-year period. For further information, contact the Office of Admissions, Queens College, or the Office of Academic Affairs.

New College at Queens

Queens College provides for women and men of the community an undergraduate degree program of courses scheduled during the evening and weekend hours. The New College offers majors in business administration, communications, computer science, computer-based business applications, English, history, psychology, nursing, and radiologic technology.

Students in the College of Arts and Sciences may, with the permission of the Vice President for Academic Affairs, enroll in New College classes.

For further information on the New college, see its catalog or contact the Office of Admissions.

The Graduate School at Queens

The Graduate School offers the following degree programs: a Master of Business Administration; a Master of Intermediate Education (grades 4-6); and a Master of Middle Grades Education (grades 6-9), with concentrations in mathematics, and reading and writing; and a Master of Nursing Administration.

For information on the Graduate School, see its catalog or contact the Office of Admissions.

Pre-Professional Programs

In combination with individual major programs available at Queens, students may elect to structure a program of study which leads to pre-professional preparation in various fields. For instance, courses of study are available to students wishing to pursue professions in such areas as law, medicine, dentistry, nursing, physical therapy, social work, and teaching.

Medicine, Dentistry, and Physical Therapy

Leading medical educators recognize that a genuine liberal arts curriculum provides the most suitable undergraduate pre-medical, pre-dental, pre-physical therapy, and pre-veterinary medicine background. Completion of the courses required of all students at Queens College provides the desired breadth of training and intellectual skills.

Juniors and seniors may be recognized as pre-medical students upon recommendations of their advisers. A Pre-Medical Advisory Committee composed of medical doctors assists students seeking entrance to medical school. It may be helpful for these students to acquaint themselves with the specific requirements of the schools to which they expect to apply for admission.

Information concerning the Medical College Admission Test (MCAT) may be obtained from the Queens Career Center.

Law

Law schools do not require or recommend specific courses or majors. They do recommend, however, that students examine a variety of subjects and ideas which lead to an understanding of the broad political, economic, social, and cultural forces affecting our body of laws and the society it orders. They also recommend that students develop the skills of logical reasoning, problem solving, and effective written and oral communication. Law schools generally agree that a rigorous liberal arts curriculum provides the background and skills necessary to compete for admission to law school and as a law student.

For students interested in law, Queens provides information, counseling, internships, and Law School Admission Test (LSAT) preparation through its pre-law advisers, the prelaw club, The Justinian Society, and the Career Center.

The pre-law adviser offers academic counseling for students who plan to attend law school and help each student arrange a curriculum that will supply the necessary background and skills for graduate study in law.

The Justinian Society provides a forum for the discussion of legal issues and invites area lawyers to campus for lectures on academic preparation and career opportunities in law. Members of the Justinian Society also visit law school classes, area law offices, and courtrooms, and receive instruction in case study techniques and LSAT preparation.

The Career Center houses information on admission requirements and application deadlines for specific law schools and arranges exploratory and professional internships with area lawyers.

Academic Regulations

Graduation Requirements

To graduate from Queens College, a student must fulfill the degree requirements set forth in the *Bulletin* which is current when the student enters the college and must be in good standing with the Honor Code. Although the college makes every effort to counsel the student in planning a program of study, it is the student who is ultimately responsible for fulfilling all requirements for a degree. Students should consult the *Bulletin* for degree requirements of specific majors.

All academic plans are subject to approval by the student's adviser.

Students Entering as Freshmen

Traditional students entering Queens as freshmen must satisfy the following degree requirements: a minimum of 122 semester hours; all the requirements specified for their chosen major; a minimum cumulative quality-point average of at least 2.000 on all work completed at Queens and on all work in the major; the Distributed Requirements in nine areas of concentration; two January Term units of credit; at least 36 semester hours in courses at the 300 level or above; at least 60 of the 122 semester hours completed at Queens; the last 30 of the 122 semester hours in residence at Queens or in a Queens-approved program; demonstrated proficiency in basic English usage and in basic mathematics; and attendance at the three annual college convocations.

Transfer Students

Transfer students must meet all degree requirements, including, of course, the stipulation that at least 60 of the 122 semester hours must be completed at Queens. Students who have not earned a bachelor's degree, but who have earned more than 60 hours at the undergraduate level, may apply through the Vice President for Academic Affairs to the Student Qualifications Committee for a possible reduction of the 60-hour requirement. Pending the Registrar's evaluation, a transfer student may be able to use transferred credits to satisfy some major requirements, Distributed Requirements, and the 36 semester hours required in courses at the 300 level or above—provided, in the last case, that the courses at the 300 level or above were completed at another four-year institution. Courses transferred from two-year institutions are classified at the 100 (freshman) or 200 (sophomore) level. A transfer student who completes only 60 semester hours at Queens is required to have one January Term unit for graduation; a transfer student who completes more than 60 semester hours at Queens is required to have two January Term units for graduation. Transfer students must pass the proficiency tests in basic English usage and in basic mathematics in order to graduate, and they must attend convocations held while they are enrolled in the college.

Second Degree Students

Students who hold an undergraduate degree (either from Queens or from another accredited institution) and are seeking a second degree must complete at least 30 semester hours at Queens, over and above the hours earned for the first degree; all the requirements specified for their chosen major; distributed requirements as designated by the Registrar; a minimum cumulative quality point-average of at least 2.000 on all work completed at Queens and on all work in the major; and demonstrated proficiency in basic English usage and in basic mathematics.

New Dimensions Students

New Dimensions students (adults who are 23 years of age or older upon entry into the college) are required to meet all graduation requirements with the following exceptions: New Dimensions students are not required to have the January Term units or the two physical education courses in Area VIII of the Distributed Requirements or to attend convocations. New Dimensions students must complete a minimum of 122 semester hours.

Required Convocation Attendance

All traditional students in the College of Arts and Sciences are required to attend all college convocations (generally three a year—Senior Recognition, Honors, and Awards). Failure to attend a convocation will mean that a student must attend three events of cultural or academic value held on campus. Part-time degree candidates will be required to attend one convocation for each 10 academic hours they earn. The same prorating of the requirement will apply to transfer students.

New Dimensions students are not required to attend college convocations but are encouraged to do so.

December graduates are expected to attend May Commencement exercises.

Term Load

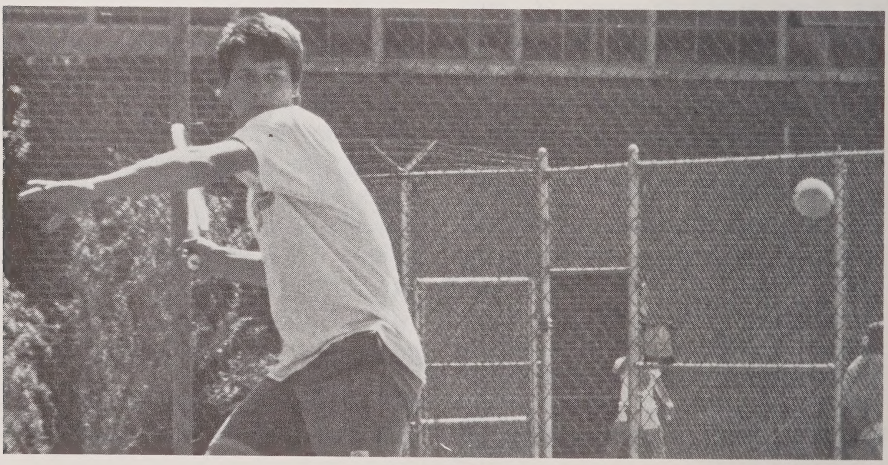
The academic year consists of Term I, January Term, and Term II. The normal load for all students is from 12 to 16 credit hours per term (I and II) and one inter-term course in January. Any full-time student wishing to take more than 16 hours in Term I or II must obtain permission from the Vice President for Academic Affairs. A student may take only one course in the January Term.

Grading

Queens College uses the following system of grades and quality-point values per credit hour:

Grade	*Interpretation*	*Quality-Point Value*
A	Superior	4.0
A−		3.7
B+		3.5
B	Good	3.0
B−		2.7
C+		2.5
C	Satisfactory	2.0
C−		1.7
D+		1.5
D	Poor	1.0
F	Fail	0
P	Pass	(0)
NR	No Record	(0)
WP	Withdrew Passing	No effect on quality points
WF	Withdrew Failing	No effect on quality points.
I	Incomplete	May become any other letter grade, except WP or WF, upon completion.
AU		Audit

Grade reports are sent at the end of each term. Mid-term reports are issued in Terms I and II to indicate special difficulties in course work in progress. Only final term grades are permanently recorded.



Repeated Courses

A student who has earned an F in a course may repeat that course once (either at Queens or, with the *prior* permission of the appropriate department head and the Vice President for Academic Affairs, at another accredited institution); the F will remain on the student's record in any case, but only the second grade for the course will be figured into the student's cumulative quality-point average.

In order to allow a student to demonstrate mastery of the material in a course in which he or she has earned a D, D+, or C−, the college will allow the student to repeat that course once. The first grade will, however, remain on the student's record in that case and will be the grade figured into the student's cumulative quality-point average. No additional hours credit will be awarded.

No more than two courses in the student's major field may be repeated.

No course in which a student made an F may be repeated at another institution for credit at Queens without the *prior* permission of the appropriate department head and the Vice President for Academic Affairs.

A student may be permitted to repeat once for replacement credit a course taken for credit ten or more years previously.

All entries remain a part of the student's permanent academic record.

The *only* exception to these conditions exists when a course is listed"may be repeated for credit."

Regular tuition fees are charged for repeated courses.

Pass/No Record

Pass/No Record (P/NR) is a grading system designed to encourage students to explore new areas. Students may elect to take up to two courses a year on a P/NR basis, but may take no more than one course on a P/NR basis in any one term.

Some courses, such as Typing are designated as P/NR for all students. Some specifically designated courses may not be taken P/NR. Courses selected by the student to fulfill the Distributed Requirements may be taken P/NR. Students may not take courses in their major or minor programs on a P/NR basis without first obtaining the permission of the department chairman and the Vice President for Academic Affairs.

Students must indicate at registration their intention to take a course P/NR. Up to one week after the midpoint of the semester, however, they may, in consultation with the Registrar, change the P/NR basis to an A/B/C/D/F/ basis. P equals a grade of C− or better; NR equals a grade of D+, D, or F, but differs from a D+, D, or F in that NR is not recorded on the student's permanent academic record. Courses taken P/NR are not counted in the calculation of the student's quality-point average. Students planning advanced academic work should be aware that the Pass grade may be interpreted as C by graduate institutions, and an inordinate number of such grades may be looked upon with disfavor by graduate admissions committees.

Pass/Fail

Pass/Fail (P/F) is the grading system used for internships and for other specially designated courses. P is equal to a grade of C- or better; F, in this case, is interpreted as an evaluation of work that was unsafisfactory, poor, or failing. P/F differs from P/NR in that all F's become a part of the student's permanent academic record, while NR's do not.

Incompletes

The grade of Incomplete (I) is given only at the discretion of the instructor and only when unusual circumstances make it impossible for the student to complete the course work by the end of the term.

All students who have received the grade of Incomplete (I) have a specific time period within which to complete the course work. In the case of a student who is in good standing academically, a grade of I received during Term I or January Term must be changed to another letter grade by the end of the second full week of regular classes of Term II; Term II and Summer Term Incompletes must be changed to another letter grade no later than two weeks in to Term I of the following academic year.

A student on academic probation who receives the grade of Incomplete (I) must complete the course work and receive a regular letter grade *before Registration Day* of the next academic term.

A grade of I automatically becomes an F if the student fails to make up incomplete work satisfactorily. It is the student's responsibility to contact the professor and make arrangements for the work to be completed.

Examinations

Although professors evaluate student work periodically, final examinations, generally in the form of written examinations, are given in all courses at the end of each term. Final written examinations are generally between two and three hours long.

The Office of the Registrar publishes a schedule for final examinations.

The first day of the examination period is designated Reading Day, on which no classes may be held and no examinations may be given, thus providing students an opportunity to prepare for examinations. Permission to change an examination schedule or to make up an examination must be granted by the Vice President for Academic Affairs.

Courses Taken at Other Institutions

Ordinarily, Queens students may take courses at another accredited institution for credit at Queens, provided that these courses are equivalent or supplemental to those offered at Queens. In order to receive credit, they must, however, secure the *prior* permission of the appropriate department and division heads and the Vice President for Academic Affairs, must make a grade of C or higher on each course, and must have the other institution send an official record of the work to the Queens College Registrar. The student's quality-point average at Queens is not affected by course credit earned at other institutions.

Student Class Status

Students pursuing a degree program and carrying the normal term load (12 to 16 hours) are assigned class status according to the number of credit hours earned.

Class Status	*Credit Hours*
Freshman	0-23
Sophomore	24-51

Junior	52-89
Senior	90 or more

Student Classifications

Regular Traditional Student classification is for all degree candidates under 23 years of age.

A *New Dimensions Student* is an adult student 23 years of age or older upon entry into the college.

A *Special Student* is one who is admitted with non-degree status and who may enroll for a cumulative total of 15 credit hours. After completing 15 credit hours, a special student must apply for regular admission or receive special permission to continue; however, a special student with a bachelor's degree may take unlimited credits as a special student. Special students must comply with all college regulations.

A *Transient or Contract Student* is one from another college who is taking courses at Queens but who is a degree candidate at the other institution.

A *Continuing Education Student* is one who is enrolled only in non-credit programs in the Queens Institute for Lifelong Learning.

A *Consortium Student* is one who is enrolled as a full-time student at Queens College but who has been granted permission to take a course or courses at one of the other 11 college in the Charlotte Area Educational Consortium. Queens students, if qualified, may enroll at one of the other colleges in any course not offered at Queens and receive full credit toward the Queens degree without the payment of additional fees. Arrangements must be made through the Registrar's office. Consortium arrangements do not apply to summer sessions.

Student Qualifications

The faculty of Queens College determines academic standards which are administered by its Student Qualifications Committee. This committee reviews each case of academic difficulty. A student is automatically placed on academic probation if his or her cumulative quality-point average is below the following levels for class standing.

Class Status	*Credit Hours*	*Minimum Cumulative Quality-Point Average*
Freshmen	0-12	1.500
	13-23	1.800
Sophomores	24-37	1.800
	38-51	1.900
Juniors	52-70	1.900
	71-89	2.000
Seniors	90 or more	2.000

When a student fails to make a quality-point average according to these guidelines, the Student Qualifications Committee imposes various stipulations to encourage the student to meet the minimum standards. These stipulations are sent in writing to the student and to parents or guardians. If the student does not meet the stipulations, he or she will be subject to dismissal from the college.

In evaluating a student's probationary status, the Student Qualifications Committee will consider the student's work in the Queens College summer school, provided that the student takes a minimum of nine semester hours.

A student on academic probation who receives the grade of Incomplete

(I) must complete the course work and receive a regular letter grade *before Registration Day* of the next academic term.

A student on academic probation may petition the Student Qualifications Committee for exception from probation if he or she has achieved a QPA of 2.500 or better for the previous Term I or Term II.

The Student Qualifications Committee will review the records of part-time students for probationary consideration after nine semester hours of work have been completed at Queens College and thereafter in increments of nine semester hours of work. Part-time students will be expected to maintain cumulative quality-point averages commensurate with their class status.

The Student Qualifications Committee will review the records of special students after nine semester hours of work have been completed at Queens College.

The records of those special students holding a bachelor's degree will be reviewed in increments of nine semester hours. Students who fail to maintain a 2.000 QPA will be asked to withdraw from the college.

All decisions regarding dismissal may be appealed to the President of the college.

The readmission policy for a full-time student or a part-time student who has been judged academically ineligible to return is as follows. In order for the student's application for readmission to be considered, the student must complete at least nine semester hours (or an equivalent number of quarter hours) at an accredited institution a.) in one fall or spring semester and achieve a QPA of 2.000 or better in each course, or b.) in one long summer semester and achieve a QPA of 2.000 or better in each course, or c.) in two short consecutive summer terms and achieve a QPA of 2.000 or better in each course.

Eligibility to Represent the College

Students on academic probation, students on social probation for six weeks or longer, or students who are suspended from a class or from the college are not eligible to represent the college in off-campus extracurricular activities, to hold campus office, or to run for campus office until the probation or sanction is lifted.

Dean's List

Degree candidates who achieve a term average of 3.500 or better in at least 12 hours of graded work (not including a grade of P in the 12 hours) for the term are named to the Dean's List. Students with Incompletes in courses will not be considered.

Registration

Registration is held at the beginning of each semester. At this time, students enroll for courses, have identification cards made, purchase meal tickets and parking stickers, and make financial arrangements with the Business Office. Students are not considered registered unless tuition and fees for the semester have been paid or arrangements for payment have been made.

North Carolina law mandates that all students present proof of having received certain immunizations. Students who have not received the specified immunizations will not be permitted to register for classes. These records are kept at the health center.

Toward the end of each semester there is a pre-registration period during which students in consultation with their advisers plan the schedule of courses they intend to take during the following semester.

Academic Advising

It is the students' responsibility to schedule advising appointments with their academic advisers as often as necessary in order to plan course schedules for each term and to discuss current academic questions and problems. The adviser is to be used as a resource and a guide in planning and meeting all graduation requirements.

Drop/Add

Courses may not be added or dropped on Registration Day. The Drop/Add process takes place during the first calendar week of classes at the beginning of each semester. To drop or add a course, the student obtains a form in the Registrar's office and secures the adviser's signature to make the change(s). The form is then returned to the Registrar's office, not later than 5 p.m. on the last day of the first calendar week of classes. There is no additional charge for the Drop/Add procedure, and nothing will appear on permanent records if the procedure is followed. For part-time students, tuition for courses dropped during the Drop/Add period will be prorated according to published guidelines.

Withdrawal from a Course

Withdrawing from a course is a different process from that of dropping a course (described above). Once the Drop/Add period has passed, withdrawal with the grade of WP or WF is possible until the end of one calendar week, in which classes are in session, after the designated midterm point in each semester. The withdrawal form, which is obtained in the Registrar's office, must be signed by the adviser, the instructor, the Vice President for Academic Affairs, and the student, and returned to the office of Academic Affairs. All withdrawals will appear on the student's transcript.

A student who wishes to withdraw from a course may not simply stop attending the class. If the student does not follow the procedures for withdrawal, he or she will receive an F in the course.

Auditing Courses

A regular student carrying a loan of 12 to 16 credit hours and maintaining a QPA of 3.000 may, with the consent of the Vice President for Academic Affairs and the course instructor, audit a course. Audited courses receive no credit but do appear on college transcripts. Students must designate audited courses at registration. Drop/Add and Withdrawal procedures apply to audited courses. Auditors are expected to attend classes regularly in order for the grade AU to appear on the transcript. With permission from the Vice President for Academic Affairs, special students may audit a course. Special students must pay an auditing fee of $85 per credit hour.

Summer School at Queens

The College of Arts and Sciences offers a summer program consisting of two terms held during May, June, and July. Students may choose from a listing of catalog courses or may arrange independent studies or internships. Information on summer sessions at Queens is available to Queens students during Term II in the Office of Academic Affairs and the Office of the Registrar. Students at other institutions should contact the Office of Admissions.

Queens students who wish to attend summer school at other institutions must obtain from the Registrar's office a Summer School Permission Form to be signed by the student's academic adviser, the head of the department under which the courses to be taken elsewhere fall, and the Vice President for Academic Affairs. Approved summer courses taken at other accredited colleges and universities with the grade of C or higher may be counted toward the 122 credit hours required for graduation, provided these courses are comparable or supplemental to those offered at Queens. To receive credit, the student must request that his or her summer school transcript be sent to the Queens College Registrar. Only the credit hours and quality points earned at Queens are counted in calculating a student's quality point average for graduation.

Attendance Policies

As a general policy, the college expects students to attend all class sessions. Specific attendance policies are set for each course by the individual faculty member and announced at the beginning of each semester. If the policy is not announced at the beginning of the semester, the student should make a point of asking about the policy at that time. Instructors may penalize students for not attending class. The Student Health Center, the Office of Academic Affairs, or other offices in the college do not excuse absences; they merely notify instructors of reasons for absences.

Resident students should visit the Student Health Center when they are ill. The names of students admitted to or treated in the Student Health Center are put on the Student Health Center list which is included in the Absence Report prepared weekly by the Academic Affairs Office. Commuting students (or their parents, spouses, or physicians) should call the Academic Affairs Office when they miss class(es) due to illness so their names will also be included in the Absence Report. As indicated above, this report is a compilation of reasons for absences; it is prepared for the information of the faculty and does not represent an official excuse of any absence. It is left to the individual instructor to decide whether or not to excuse an absence. It is the students' responsibility to know the instructor's attendance policy and their standing in the class with regard to attendance.

Internships

Queens College provides internships as useful and desirable educational experiences for its students. Internships are planned and supervised out-of-class work experiences which use skills and theories learned in classroom settings. Each student must elect either an exploratory or a professional internship as part of the Distributed Requirements (Area IX).

To be eligible for internships, students should have the academic preparation necessary as a basis for such experience. Generally, internships are restricted to upperclassmen; however, freshmen and sophomores with unusual backgrounds or strong motivation for such work experiences are not excluded from participation.

Guidelines for internships, available in the Office of Academic Affairs, describe qualifications and procedures for registering. The student and adviser are responsible for following these guidelines.

All internship proposals must be submitted to the Office of Academic Affairs no later than the end of the second week of the term in the case of Term I or II, and before the beginning of the term in the case of January or summer terms.

The student and adviser plan an internship using as resources the Career Center and faculty internship advisers. The adviser reports a grade for the internship and serves as a contact person on campus for the intern and the off-campus project supervisor. All internships are graded on the Pass/Fail basis. *Normally, no more than 12 hours of internship credit shall be counted toward the 122 hours required for each degree.*

Exploratory Internships

The exploratory internship enables students to gain knowledge in an area in which they may have an interest and to explore areas in which they may wish to develop a career. The student may earn a maximum of six hours' credit toward graduation requirements through exploratory internships. Summer job experience cannot be considered for credit.

Professional Internships

The professional internships are listed as catalog courses and encompass field placement courses, practica, internships with requirements of a major, and student teaching programs. Professional internships are restricted to upperclassmen, although exceptions may be made under unusual conditions. The internships are an integral part of the academic program and are limited only by the requirements of a given major as described in the catalog. To register for a professional internship, the student must make specific arrangements with the faculty adviser, the appropriate professor, and the division chairman.

Independent Studies/ Directed Readings

A mature, academically sound student may, under the direction of a professor and with the approval of his or her adviser, undertake directed readings or an independent study of a topic of interest to the student. This study may take one of several forms, such as a project, individual research, or directed readings. Students who wish to pursue these options should consult the *Bulletin* for catalog listings of independent studies and directed readings in the subject area. After obtaining approval from the adviser, the appropriate instructor, the division chairman, and the Vice President for Academic Affairs, a student may register for a catalog-listed independent study or directed readings course just as for any other course.

Independent studies and directed readings courses require special forms which are available in the Office of Academic Affairs. The student must submit the completed form to the Vice President for Academic Affairs by the end of the term in which the student preregisters for the course.

Withdrawal from the College

Any student who plans to withdraw from the college before the end of the term must notify the Office of Academic Affairs in order to remain in good standing and have grades recorded as WP or WF. If the student withdraws before the end of the term without giving notification, all grades are recorded as F's.

The student who wishes to withdraw must first visit the Office of Academic Affairs to set up an appointment for an exit interview. This interview may be with the Dean of Student Development, the Vice President for Academic Affairs, or another person designated by either the Dean or Vice President. At the conclusion of the exit interview, the student signs the Withdrawal from the College form. The student then visits the Business Office, Finanical Aid Office, and Students Affairs Office for clearance and signatures regarding financial matters. The official date of withdrawal is that by which all required signatures are obtained.

If a student simply stops attending all classes and does not notify the Office of Academic Affairs of intention to withdraw, the college does not regard the student as having officially withdrawn.

In the event that the student has been absent for reasons of illness and, therefore, is considered unable to complete the process at the actual time of withdrawal, a date of signature is determined by the Vice President for Academic Affairs, the student, and an appropriate representative of the Business Office.

The college reserves the right to require at any time the withdrawal of a student whose conduct or academic work is not considered satisfactory.

For information regarding the financial aspects of withdrawal from the college, please consult the section on Costs.

Records of Progress

Records of progress are kept by this institution on veteran and non-veteran students. Progress records are furnished the students, the veterans and non-veterans alike, at the end of each scheduled school term.

Courses of Instruction

Course Listings

Course listings give general information concerning each area of study and the requirements for major programs in each discipline. These requirements should be carefully noted by students when deciding on a major.

Many of the courses in the sections beginning on the next page wil be listed in the class schedule which is distributed prior to each term.

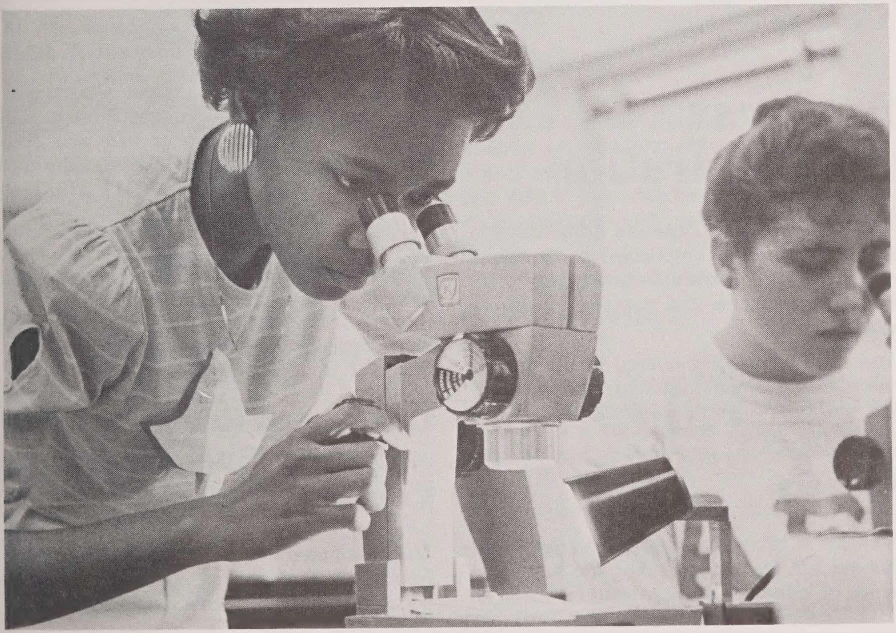
Course Numbers

In general, courses numbered 100-299 are primarily for freshmen and sophomores; those numbered 300-499 are primarily for juniors and seniors. In specific cases, however, the individual student's ability and background rather than class standing will determine the appropriate level of work.

Double numbers separated by a comma (e.g. 300, 302) indicate that the completion of both courses forms a desirable unit. Occasionally the first course is a prerequisite to the second.

Course Changes

Queens College reserves the right to change the course offerings and instructors indicated in this catalog without prior notice to persons who may thereby be affected. Every effort is made to help a student affected by a course change by providing the opportunity for an independent study or some other suitable arrangement.



Division of Business Administration

Robert L. Finley, *Acting Chairman*
Professor of Business Administration and Economics

Ronald J. Basini
Associate Professor of Business Administration

Thomas M. Fleming
Assistant Professor of Business Administration

James W. Foster, Jr.
Assistant Professor of Accounting and Business Administration

Catherine Haselden
Assistant Professor of Business Administration and Economics

Paul T. Hoying
Instructor of Business Administration

Randall R. Kincaid
Professor of Economics

Karen J. Zapata
Assistant Professor of Accounting and Business Administration

Business Administration

The Department of Business Administration offers courses that emphasize the concepts and skills for understanding business practices, organizations, and managerial responsibilities.

There are two majors offered by the department, business administration and accounting, and both majors lead to the Bachelor of Arts (B.A.) degree.

Careers

A major in business administration prepares the student for understanding the functional areas of business, human relations in organizations, and strategic policy making issues. There are technical, human relations, and conceptual skills related to entering supervisory, managerial, or professional careers in business, government, or non-profit organizations.

A major in accounting prepares people to enter careers in accounting. Both majors prepare people for graduate level study in accounting, finance, marketing, management, and related fields.

Business Administration Major

Requirements for the B.A. degree with a major in business administration include: Computer Science 100 or 101; Mathematics 105 or 113, and 206; Economics 203 and 204; Business Administration 207, 208, 305, 320, 324, 333, 340, 360, 485, and six hours of 300-level or 400-level business or economics electives.

Business Administration Minor

Requirements for the business administration minor include Economics 203 and 204; Business Administration 207, 208, 305, 320, 340, and 360.

Accounting Major

Requirements for the B.A. degree with a major in accounting include: Computer Science 100 or 101; Mathematics 105 or 113, and 206; Economics 203 and 204; Business Administration 207, 208, 305, 307, 308, 311, 313, 315, 316, 317, 340, 360, and 485.

Accounting Minor

Requirements for the accounting minor include Business Administration 207, 208, 307, 308, 311, and 316.

Distributed Requirements and Other Suggested Courses

The Distributed Requirements for Area II may be met by Mathematics 206 and one additional mathematics course. The requirements for Area V may be met by Economics 203 or 204, and one of the following courses: Political Science 101 or 201, Psychology 201, or Sociology 203.

Other suggested courses include Computer Science 212, 305, and 330; Mathematics 101 or 105, and 113; Psychology 201, 303, and 311; Political Science 202 and 324; Sociology 203, 325, 340.

Course Descriptions

101 Beginning Typing/Keyboarding

2 Hrs.

Training in the touch system of the keyboard, using electric typewriters and PCs; introduction to tabulation, letter styles, outlines, reports, and word division; speed development. This course is conducted on a Pass/No Record basis for all students enrolled.

115 Introduction to Business

3 Hrs.

An introduction to each of the principal areas of the business curriculum: Accounting, Finance, Management, and Marketing, as well as the role of business in American society and the nature of the private enterprise system.

207 Financial Accounting I

3 Hrs.

An introduction to financial accounting principles. Topics to be covered include recording of transactions, preparation of various journals, posting of ledgers, and preparation of income statements and balance sheets.

208 Financial Accounting II

3 Hrs.

An introduction to the theory, methods, and uses of accounting information in solving business problem. Topics include accounting for partnerships, corporations and income taxes.

Prerequisite: Business Administration 207.

305 Business Law I

3 Hrs.

An introduction to law with an emphasis on the legal rights and duties of the individual engaged in business. Topics to be covered include contracts, sales, personal property, and bailments.

Prerequisite: Sophomore standing.

307 Intermediate Accounting I

3 Hrs.

A study of financial accounting theory along with generally accepted accounting principles. Topics include special problems of presentation in regard to cash, receivables, inventories, plant, and equipment.

Prerequisites: Business Administration 207 and 208.

308 Intermediate Accounting II

3 Hrs.

A continuation of the study of the financial accounting theory along with generally accepted accounting principles. Topics include special problems of presentation in regard to liabilities, leases, pensions, equity, income taxes, earning per share, and changing prices.

Prerequisite: Business Administration 307.

311 Cost Accounting

3 Hrs.

A study of cost accounting systems including problems of cost determination. The course will emphasize the development of techniques for use in managerial decision making such as standard costs and budgeting. Other topics include cost-benefit analysis, break-even analysis, and capital budgeting.

Prerequisites: Business Administration 207 and 208.

313 Auditing

3 Hrs.

A study of auditing standards as they relate to internal, external, and public sector auditing. Topics to be covered include auditing theory and ethics, responsibilites and legal liability, audit evidence, audit method, and the audit report.

Prerequisite: Business Administration 308.

315 Business law II

3 Hrs.

A continuation of the study of law as it impacts the individual engaged in business. Topics include agency, partnerships, corporations, real property, and government regulation of business.

Prerequisite: Business Administration 305.

316 Federal Taxation

3 Hrs.

A comprehensive study of the federal tax system. Topics include income, deductions, credits, and exclusions.

Prerequisites: Business Administration 207 and 208.

317 Advanced Accounting

3 Hrs.

An advanced study of financial accounting theory and application. Topics include external reporting, consolidations, partnerships, governmental accounting, and fiduciary accounting.

Prerequisite: Business Administration 308.

320 Business Ethics

3 Hrs.

Analysis of business policies and practices with respect to their social impact; patterns of governmental regulations; political activities of trade associations and other special-interest groups; the relationship between public policy and the growth of corporate enterprise; and the social responsibilities of business management.

321 Production/Operations Management

3 Hrs.

The management process applied to the design and operation of a production system, with production viewed as a function of the business rather than strictly a manufacturing activity. Topics include the planning, organizing, and controlling functions of management; forecasting, facility location and layout; job design and scheduling; quality control and inventory control.

Prerequisites: Mathematics 105 or 113, and 206.

322 Management Science and Decision Support Systems

3 Hrs.

An introduction to practical quantitative techniques that can be successfully applied to management problems. Techniques covered include decision trees, linear programming, inventory models, simulation, and network models. While most of these techniques are available in various computer software packages and the computer will be used to some degree, the emphasis in this course is on developing a basic understanding of the concepts and techniques themselves.

Prerequisite: Business Administration 321.

324 Report Formulation and Presentation

3 Hrs.

Basic techniques of business research; report preparation and presentation, both written and oral. Emphasis on organization, clarity, brevity, style, and use of visual aids.

328 Information Processing Systems for Management

3 Hrs.

This course provides students with a basic understanding of information processing systems for management. The primary focus of the course is on the development and administration of information systems and on computer applications, with only a brief overview of hardware, software, peripherals and communications.

331 Personnel Administration

3 Hrs.

A study of the personnel function in the organization. Topics covered include job design, staffing, performance appraisal, training and development, compensation, and collective bargaining. Current topics in the law (OSHA) Fair Employment Regulations, etc. which affect the personnel function are considered.

Prerequisite: Business Administration 321.

333 Principles of Management

3 Hrs.

A basic survey of management theory with emphasis on the functional and task requirements of management, and behavorial considerations. Specific topics include the planning, organizing, and controlling functions of management; contemporary models of organizational design; motivation and performance; and group behavior and influence processes.

340 Marketing

3 Hrs.

A study of the interrelationship between marketing functions and the other primary functions of firms or organizations. An analytical survey is made of the problems of product planning, pricing, promotion, channels of distribution, and legislation affecting marketing activities as related to the satisfaction of individual consumer and societal wants and needs.

351 Consumer Behavior

3 Hrs.

An overall view of some of the basic perspectives of consumer behavior. An interdisciplinary approach will be stressed including the fields of economics, psychology, sociology, and anthropology, as related to marketing. Emphasis is placed on the fundamental processes of motivation, perception, and learning, as well as analysis of individual and group influences as related to the marketing of goods and services.

Prerequisite: Business Administration 340.

360 Corporate Finance

3 Hrs.

introduction to basic concepts, principles, and analytical techniques of financial management. Emphasis on planning and managing assets. Topics include formulating financial objectives, short-term financial analysis, financial forecasting and planning, current asset management, elementary capital budgeting and cost of capital, the nature of long-term sources of funds, analysis of risks in financial decisions involving alternative investment options, mergers and acquisitions, problems in valuation, dividend policy, financial leverage, and determination of optimal capital structure.

Prerequisites: Business Administration 208; Economics 203 and 204; and Mathematics 206.

372 Personal Financial Management

3 Hrs.

A study of the management of personal and family affairs. Includes income and expenditure planning, credit and borrowing, personal savings, taxes, insurance, social security, investing, and retirement and estate planning.

420 Comparative International Business Practices

3 Hrs.

Survey and analysis of similarities and differences in management and business practices in selected countries drawn from diverse parts of the world. Evaluation of socio-economic, political, legal, educational, and cultural factors on managerial decision making and business practices in specific environments. Some use of case analysis.

Prerequisites: Economics 203 and 204; Business Administration 340.

421 Organizational Behavior

3 Hrs.

An examination of the behavorial aspects of organizations within our society. Specific topics include the interrelationships between the individual, informal and formal groups; group formation, cohesiveness, conformity, norms; interpersonal communications; conflict; authority, power and influence; leadership, motivation and performance.

432 The Entrepreneurial Enterprise

3 Hrs.

A study of the characteristics which distinguish an entrepreneurial enterprise from the concepts of the small business and the large firm. Present and past case histories will be used to examine the risks and opportunities facing the entrepreneurial firm. The methods used to determine the feasibility of successfully establishing a company, and for developing a business plan for entrepreneurial ventures will be studied.

Prerequisites: Business Administration 321, 340, and 360, or permission of the instructor.

470 Principles of Investment

3 Hrs.

A study of the economic and investment environment as it relates to security investment decisions. Introduction to the concepts and techniques relevant to the formulation of investment objectives, strategies and policies for individual and institutional investors. An elementary treatment of portfolio theory and the capital asset pricing model.

Prerequisite: Business Administration 360.

472 Seminar in Financial Management

3 Hrs.

In-depth treatment of advanced problems in managerial finance. Topics include working capital management, capital budgeting, cost of capital, valuation, dividend policy, and long-term financial management. Extensive use of cases.

Prerequisite: Business Administration 360.

485 Business Policy

3 Hrs.

Designed to develop analytical skills in strategy formulation and implementation, and an integrated view of business operations. Provides a basic grasp of policy problems in a variety of business and governmental settings through the use of case studies.

Prerequisites: Economics 203 and 204; Business Administration 207, 208, 305, 320, 321, 333, 340, 360; or permission of the instructor.

490 Business Professional Internship

3 Hrs.

Students are placed with private or governmental organizations where they receive on-the-job work experience.

Prerequisites: Economics 203 and 204; Business Administration 207, 208, 305, 321, 340, 360; and consent of the instructor.

NOTE: Graded on Pass/Fail basis.

492 Current Topics

3 Hrs.

Course designed to investigate and/or evaluate current topics or specialized areas of business. Course topic is to be announced the semester preceding the offering.

Prerequisite: To be designated for each specific course offered.

495 Independent Research/Study

1,2,3 Hrs.

A program of directed readings or a research project. Requires approval of the supervising professor, the division chairman, and the Vice President for Academic Affairs. Open to senior business majors with a 3.000 QPA in the major.

Economics

Courses offered in the Department of Economics provide for the study of the principles underlying economic systems at the national and international levels, and governing the operations of market economies at the level of the household and the firm.

Minor

Requirements for a minor: 18 credit hours in economics, including Economics 203 and 204, 345 and 350, and six credit hours selected from other economics courses at the 300 level or above.

Distributed Requirements

The requirement, Area V, may be met by Economics 101, 203, or 204. The department suggests that students interested in taking an economics course to satisfy a Distributed Requirement should enroll in Economics 101.

101 Introduction to Economics

3 Hrs.

An introduction to selected contemporary economic problems and the economist's techniques for coping with them.

203 Principles of Macroeconomics

3 Hrs.

Introductory survey of aggregate economic principles; the scope and method of economics; business organizations; money and prices; national income theory; economic stabilization policies; and international trade.

204 Principles of Microeconomics

3 Hrs.

Survey of economic principles dealing with specific components of the economy and their application to economic problems; basic demand and supply theory; the theory of production and income distribution; agriculture, government regulation, and labor organizations.

300 Current Topics or Specialized Areas in Economics

3 Hrs.

Courses designed to investigate and/or evaluate current topics or specialized areas of economics. Course topics are announced the term preceding the offering.

Prerequisite: To be designated for each specific course offered.

345 Intermediate Microeconomic Theory

3 Hrs.

The study of resource allocation in the determination of optimum output and pricing by a firm. Emphasis includes utility and production functions and the application of microeconomic theory given various market conditions.

Prerequisites: Economics 203 and 204; Mathematics 113.

350 Intermediate Macroeconomic Theory

3 Hrs.

The study of the measurement and composition of the Gross National Product, the factors determining its size and growth, and the policy measures by which Government can influence its size, composition, and development.

Prerequisite: Economics 203 and 204; Mathematics 113.

351 Money and Credit

3 Hrs.

Study of the fundamental principles and practices of the money and credit systems of the United States: financial institutions, commercial banking, the Federal Reserve System, monetary theories and policy.

Prerequisites: Economics 203 and 204; Business 207 and 208.

420 History of Economic Thought

3 Hrs.

The study of the development of economic thinking from the Renaissance to modern times, with attention to the historical background against which major economic thinkers worked and the impact of their ideas on public policy.

Prerequisites: Economics 203 and 204.

449 Directed Individual Study

1, 2, 3 Hrs.

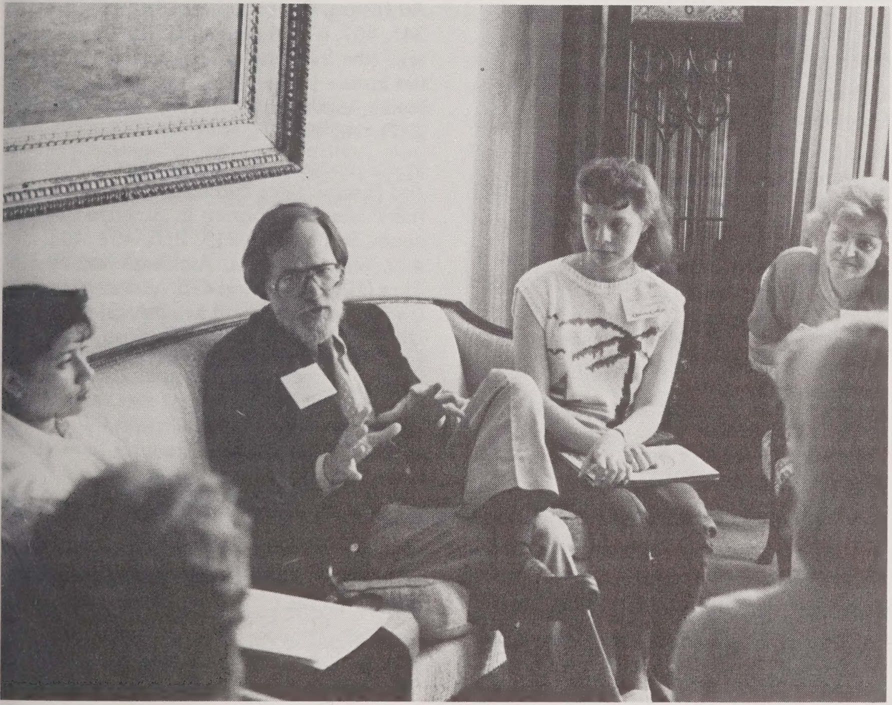
A program of directed readings, independent study of an approved program, or an approved project formulated by the student and approved by the department. Open to seniors with a 3.000 QPA.

454 International Trade

3 Hrs.

A study of international payments, international economic theory, contemporary economic nationalism, international investment and currency problems, and the commercial policies of foreign countries.

Prerequisites: Economics 203 and 204.



Division of Fine Arts

Joseph E. Lammers, *Chairman*
Professor of Music

Constance Rhyne Bray
Instructor of Music

Marbury H. Brown
Associate Professor of Art

Richard F. Crown
Associate Professor of Art

Shirley Jackson Gilpin
Lecturer in Music

Deborah Kauffman
Lecturer in Music

Elizabeth Kimble
Assistant Professor of Music and Director of Music Conservatory

Nancy Lucas
Lecturer in Music

Alisa J. McCain
Lecturer in Music

Frances Jones McClain
Assistant Professor of Music

Elaine F. Miller
Lecturer in Music

Paul Arlyn Nitsch
Artist-in-Residence and Assistant Professor of Music

Robert F. Porter
Associate Professor of Art

Cindy L. Roden
Assistant Professor of Music

Rosario Sapinoso
Lecturer in Music

George A. Shealy
Professor Emeritus of Art

Aleo G. Sica
Associate Professor of Music

George A. Stegner
Dana Professor of Music

Robert Eugene Stigall
Lecturer in Music and College Organist

Art

The Department of Visual Arts offers varied programs leading to the Bachelor of Arts degree. The curricula are designed to prepare students for graduate study, teaching, museum work, and professional careers in art and design areas. Studio experiences are balanced with courses in art history and the liberal arts to strengthen the humanistic base of the programs. The essential aim of the programs is to develop intellectual and performance abilities, and assure a sound foundation for further development of the student, or for his or her entry into a professional field.

Major

Students may earn a Bachelor of Arts degree with a major in art. There are two possible areas of concentration for the major in art:

Studio concentration: Art 104, 133, 134, 202, 203, 215, 216, 223, one art history course at or above the 300 level, four studio courses at or above the 300 level (to be approved by departmental adviser), and 499.

Art History Concentration: Art 215, 216, 315, 345, 407, 415, three courses in the art studio area (the following are suggested, as they do not involve prerequisites, nor do they assume studio expertise: 101, 104, 133, 134, 223, 227), and 499.

In conjunction with the Museums, Archives, and Historic Sites curriculum, the Art Department offers a program in American Art/Museum Studies: Art 215, 216, 452, 498, and 499, and Museums, Archives, and Historic Sites (MAHS) 150 and 475. Additional courses (two in art history and two MAHS) will be selected by the student and adviser, as appropriate to the student's individual aims and needs.

Minor

The requirements for the minor in art are as follows:

Art 104, 133, 134, 215, 216, any one of 202, 203, 204, or 223, and two courses at the 300 level or above.

Sophomore Review

Sophomore review is required of all students concentrating in studio art. The student registers for sophomore review in Term II of the sophomore year or when 18 credit hours in art have been completed. This review consists of presentation of works from the student's portfolio to members of the art faculty; its aim is to provide direction for the student's subsequent course of study.

Distributed Requirements

Art 101 or any art history course will fulfill a Distributed Requirements, Area VI. The completion of the four Humanities courses (211, 212, 213, 214) also satisfies the distributive Requirement in art, Area VI (see page 83). Art majors may not use art courses to fulfill Area VI Distributed Requirement.

Internships

Internships are an integral part of all programs within the department and provide the student with valuable practical experience in all professional areas.

101 Introduction to Art

3 Hrs.

Designed for the student with little or no art experience who wishes to gain understanding of the"language"of art (composition, line, space, color, etc.) and art's significance in human terms. Involves slide presentations and classroom discussions.

104 Drawing I

3 Hrs.

Emphasis on drawing through close observation of nature and as an expressive medium for communicating felt responses to subject matter. Exercises in contour, gesture, modeled form, and light, using still life, landscape, and the human figure. Media to include pencil, charcoal, and ink.

Six hours studio a week. Course fee $40.

Prerequisite: Art 133.

133 Two-Dimensional Design

3 Hrs.

Exploration of basic elements of line, pattern, texture, in relation to surface concerns of movement, rhythm, and direction; the use of traditional and non-traditional media; various approaches to the organization and interaction of form in two-dimensional space.

Six hours studio a week.

134 Three-Dimensional Design

3 Hrs.

Exploration of basic elements of three-dimensional form and space; use of a wide variety of materials and tools; various approaches to the organization and interaction of form in three-dimensional space.

Six hours studio a week.

202 Painting I

3 Hrs.

Studies in basic structure and color, with emphasis on pictorial elements interpreted through painting media.

Six hours studio a week. Course fee $40.

Prerequisites: Art 104, 133.

203 Sculpture I

3 Hrs.

Exploration of basic elements of three-dimensional form and space, and examination of the human form as basis for sculptural expression; special attention placed on anatomical studies, inter-relationship of body parts, proportions, and life studies. Media to include clay and wire.

Six hours studio a week. Course fee $40.

Prerequisite: Art 134.

204 Drawing II

3 Hrs.

An intermediate course based primarily on the study of the human figure, using a variety of drawing media.

Six hours studio a week. Course fee $40.

Prerequisites: Art 104.

215 Ancient to Early Renaissance Art

3 Hrs.

Survey of stylistic developments in architecture, sculpture, painting, and the minor arts of the Mediterranean and European countries from prehistoric times to approximately 1500 A.D.

Prerequisite: Art 215 or permission of the instructor.

216 High Renaissance Art to the Present Time

3 Hrs.

Survey of stylistic developments in architecture, sculpture, painting, and the minor arts of Europe and America from approximately 1500 to the present day.

Prerequisite: Art 215 or permission of the instructor.

223 Ceramics I

3 Hrs.

Fundamentals of both hand building and throwing on the potter's wheel. Hand building techniques will include pinch, coil, and slab construction. Glaze instructions will stress the relationships between form and color.

Six hours studio a week. Course fee $40.

227 Photography

3 Hrs.

Photography used as an expressive medium and as a tool for exploring visual experience. Emphasis will be on selection and treatment of subject matter. Students will learn necessary skills in photographic technique and be acquainted with the historical development of photography.

Six hours studio a week. Course fee $40.

255 Advertising, Layout, Production, and Design

3 Hrs.

Fundamentals of advertising production. With special attention to layout techniques and design attitudes governing grahpic arts.

Six hours studio a week.

Prerequisites: Art 104, 133.

280 Crafts

3 Hrs.

An experience with various crafts, i.e., macrame, tie dye, enameling, weaving. Required for K-12 art specialty teaching certificate, elective for early childhood and intermediate certification candidates.

302 Painting II

3 Hrs.

Advanced study with an emphasis on the individual development and experimentation in a chosen painting medium.

Six hours studio a week. Course fee $40.

Prerequisite: Art 202.

303 Sculpture II

3 Hrs.

Further examination of the human form as well as the geometric organization of space. Techniques to include casting, modeling, and carving.

Six hours studio a week. Course fee $40.

Prerequisite: Art 203.

304 Drawing III

3 Hrs.

An advanced drawing course encouraging an independent and critical attitude and approach through more extended, student-directed studies in a wide variety of media, including work in color.

Six hours studio a week. Course fee $40.

Prerequisite: Art 204.

307 Art in the United States

3 Hrs.

Study of the architecture, sculpture, painting, and minor arts of the Colonial period through the present, supplementing courses in American social and political history.

Prerequisites: Art 215, 216, or permission instructor.

310 Printmaking I

3 Hrs.

Exploration of the basic principles of printmaking through such media as wood cuts, linoleum cuts, or serigraphy. Pictorial composition, sound procedure, and techniques are stressed in the program.

Six hours studio a week. Course fee $40.

Prerequisites: Art 104, 133.

315 Art of the Modern Era, 1870 to the Present

3 Hrs.

Critical examination of major trends in the visual arts from c. 1870 to the present, within the context of developments in science, philosophy, religion, politics, etc.

Prerequisites: Art 215, 216, or permission of the instructor.

323 Ceramics II

3 Hrs.

Further exploration of ceramic possibilities including advanced throwing techniques, larger hand construction projects as well as basic glaze formulation theory.

Six hours studio a week. Course fee $45.

Prerequisite: Art 223.

329 Photography II

3 Hrs.

Further investigation of photography as a creative medium and advanced photographic techniques.

Six hours studio a week. Course fee $45.

Prerequisite: Art 227.

345 Art and Religion in the West

3 Hrs.

Critical examination of the visual arts as embodiments of major theological developments from c. 320 A.D. to the present.

Prerequisites: Art 215, 216, or permission of the instructor.

364 Intermediate Advertising, Layout, Production, and Design

3 Hrs.

Continued investigations into advertising production. Further developments of layout techniques and design attitudes governing graphic arts.

Six hours studio a week.

Prerequisite: Art 255.

384 Ceramic Design

3 Hrs.

Students develop a repertoire of original decorations and learn to adapt them to a variety of forms. This course includes extensive exposure to the history of ceramic forms and decoration.

Course fee $35.

Prerequisites: Art 134, 323.

402 Painting III

3 Hrs.

Further exploration in painting on an independent study basis.

Course Fee $40.

Prerequisite: Art 202, 302.

403 Sculpture III

3 Hrs.

Advanced studies in the exploration of human and geometric forms as a means of expression. Modern trends in sculpture will be explored.

Six hours studio a week. Course fee $35.

Prerequisite: Art 303.

404 Illustration

3 Hrs.

Advanced class using a variety of painting, drawing, and photographic material in the design and execution of illustrations for printed matter.

Prerequisites: Art 304, 402, and permission of the instructor.

406 Special Topics in Studio Art

1, 2, 3 Hrs.

An in-depth study of the specialized areas not included in the curriculum. Topics to be announced annually.

Prerequisite: To be determined in each case according to the nature of the topic.

407 Topics in Art History

3 Hrs.

Focus on specific questions of style, traditions, and influence as they relate to the emergence and development of art in Europe and America. Topics to be announced annually.

Prerequisites: Art 215, 216, or permission of the instructor.

410 Printmaking II

3 Hrs.

Continued study in relief printing techniques and serigraphy, encouragement of independent exploration within the medium through student-directed assignments.

Six hours studio a week. Course fee $40.

Prerequisite: Art 310.

415 Art Since 1945

3 Hrs.

Critical examination of the visual arts since World War II, and of their responses to the radical reformulations of philosophical, religious, economic, and social attitudes.

Prerequisites: Art 215, 216, or permission of the instructor.

423 Ceramics III

3 Hrs.

A focus on advanced throwing and handbuilding techniques directed toward developing a personal style of ceramic forms in either a functional or non-functional framework. Emphasis is on increased control and size of designed forms.

Six hours studio a week. Course fee $45.

Prerequisite: Art 323.

444 Ceramic Materials

3 Hrs.

This course covers clay materials, glaze chemistry and firing techniques. Special attention is paid to native North Carolina materials.

Course fee $25.

Prerequisites: Art 134, 323.

451 Independent Studio

1, 2, 3 Hrs.

Advanced independent work in specialized areas of studio art for the mature, academically advanced student.

Open to juniors and seniors with a B average in art and the approval of the department.

This course may be repeated for a total of six hours of credit.

Course fee $15/cr. hr.

452 Independent Study in Art History

1, 2, 3 Hrs.

Advanced independent work in specialized areas of art history for the mature, academically advanced student.

Open to juniors and seniors with a B average in art and approval of the department.

The course may be repeated for a total of six hours of credit.

460 Sources and Concepts

3 Hrs.

A seminar course, based on discussions of the participant's studio work. Specifically an examination of concepts and sources from two perspectives: (1) from the student's personal development and experience and (2) from related readings in art history, criticism, pyschology, philosophy, and other disciplines.

Course fee $15/cr. hr.

Prerequisites: Art 111, 112, or permission of the instructor.

498 Professional Internship

1, 2, 3 Hrs.

Practical experience under professional supervision outside the college in a variety of areas, such as advertising agencies, art studios, museums, galleries, community art center, and art workshops. Required of graphic design majors, elective for studio concentration majors, and crosslisted with MAHS 475 for AA/MS majors.

Prerequisite: Junior standing.

499 Senior Critique

1 Hr.

Developing and defining an art-critical position. (For studio concentration: assembling portfolio and providing written critical justification of artistic production and aims. For art history concentration: presenting and defending a critical paper.) To be directed by departmental adviser and evaluated by members of the art faculty.

Prerequisite: Senior standing.

Music

The Music Department puts emphasis upon the individual purpose of each student whether she is pursuing music as a professional career, developing a special ability, studying to become a teacher, or is interested in music as a part of her liberal education. Small classes allow personal attention, and students receive private instruction under teachers who are performing artists. Arrangements can be made for study of any orchestral instrument not listed in this section. Ensemble work is stressed through participation in the musical organizations of the college. The more advanced students have many opportunities for group and solo performances in the city of Charlotte through local organizations such as Opera Carolina, the Oratorio Singers, the Charlotte Symphony Orchestra, and church choirs.

Bachelor of Arts

REQUIREMENTS FOR THE MAJOR:

Forty credit hours in music including Music 10, 11, 20, 21, 30, 31, 40, 41, 100, 103, 104, 113, 114, 204, 213, 214, 307, 308, 407; at least one year of ensemble work (choir or instrumental ensemble); and at least one credit hour of private training in applied music for four terms.

At least 18 of the 40 hours shall be in courses numbered 300 and above. The following fields can be elected for special emphasis under this degree: general music, applied music, history and literature, sacred music, and theory.

REQUIREMENTS FOR THE MINOR:

Music 100 plus three additional hours chosen from Music 307, 308, or 407; Music 103, 104, 113, 114; four credit hours in applied music and/or ensemble, six credit hours of music electives.

Bachelor of Music

Candidates are required to fulfill the same Distributed Requirements as those required of all liberal arts candidates. An audition is required for any student wishing to be admitted to a Bachelor of Music program.

Also required are
Music 10, 11, 20, 21, 30, 31, 40, 41, 100, 103, 104, 113, 114, 203, 204, 213, 214, 307, 308, 320 (not required for music therapy majors), 407; six to eight credit hours of ensemble work (choir or instrumental ensemble). However, the ensemble credit for all majors must include experience in both large and small ensembles; and the following:

1. In Applied Music: thirty-eight hours of music apportioned as follows: 21 to 24 hours in a chosen instrument, Music 399, 400, Music 215, 216, 323 (voice majors only), 313, 314, or 413, 414 (piano majors only), three credit hours in conducting and arranging, three to six additional hours in music courses, and four additional hours (in four terms) in other applied music. At the end of the sophomore year a qualifying examination will be given in the major applied area. Voice majors are required to have two years of study of a foreign language on the college level or to pass a proficiency examination equal to same.

2. In Music Education: Music 75, 95, 321, 321L, 322, 322L, 399, 415, 415A, and 416, 416A, no fewer than 14 credit hours in a principal performance area, four credit hours in a secondary performance area, History 203, Mathematics 101 or 105, Religion 105, Political Science 100 or 201 or Sociology 203, Psychology 309 or 319, Computer Science 100, Art 101, English 201, Education 221, 310, 336 or 345, 443, and PE 31. (See music bulletin for musical and technical standards in performance areas.)

3. In Piano Pedagogy: 19 to 21 credit hours in piano (including Music 95); Music 313, 314, 399, 413, 414, 417, 418; three credit hours in conducting and arranging; at least nine additional hours in music; Psychology 201, Education 310, and Psychology 309 or 319.

4. In Sacred Music: Emphasis in organ: Music 75, 95, 215, 315, 316, 317, 415, 415A, 416, 416A, 475 (3 hrs.), 15 to 17 hours in organ (including Music 400); Religion 105, 205, 206, and four terms in a minor applied area.

5. In Music Therapy: Music 95, 209, 211, 321, 321L, 322, 322L, proficiencies in a principal applied instrument (or voice), guitar, and voice, and elective hours in music to bring the total to 60 hours, including three credit hours of conducting and arranging (Music 415 and/or 416 are recommended); music therapy courses 217, 401, 402, 409, 410, 411, 412, and 456; 20 hours of work in the Behavioral/Health/Natural Sciences areas, including Psychology 201, 304, 308, 309, and Biology 111, 111L. The entire Music Therapy program is detailed in a special bulletin.

6. In Music with Elective Studies in Business: Music 321L, 322L, 415A, 416A, either 415 or 416, 451, 457, eight credit hours in a major applied area and four credit hours in a minor applied area. Economics 203, Business 207, 208, 305, 321, 340, and 360, Computer Science 101, Psychology 201, and specific course work in Distributed Requirements as outlined in a special bulletin on Music with Elective Studies in Business.

7. Music Therapy and Music Education: A double major in Music Therapy and Music Education is possible with a minimum of 169 hours of work required. This $5^1/_2$ year program is detailed in a special Music Department bulletin.

Distributed Requirements

Distributed Requirements, Area VI, can be satisfied by Music 100 or 207. Music majors, other than Music Therapy majors, may not use music courses to fulfill Area VI Distributed Requirements.

100 Introduction to Music

3 Hrs.

Study of the basic materials of music, survey of the important composers, and examination of selected masterpieces with reference to cultural background; technical knowledge of music not necessary for enrollment.

103 Beginning Theory and Composition I

3 Hrs.

Fundamentals of notation, tonality, scales, and modes, interval and triadic structure. Elementary characteristics of melodic form. Four-part writing in a homophonic style using triadic structures. Analysis of chorale style involving triads, seventh chords, modulation, nonharmonic tones.

104 Beginning Theory and Composition II

3 Hrs.

Part writing in a homophonic style using triadic structures, seventh chords, nonharmonic tones, modulation, secondary chords, and other chromatic harmonies.

Prerequisite: Music 103.

113, 114 Elementary Sight-Singing and Ear-Training

1 Hr., 1 Hr.

Study and application of techniques of music reading and identification of sound. Grading is Pass/No Record for all students enrolled. Course is completed at any time during the term when proficiency has been achieved.

Prerequisite to Music 114: Music 113.

203 Intermediate Theory and Composition I

3 Hrs.

Two- and three-voiced writing in the contrapuntal and harmonic style. Study of basic contrapuntal forms. Further study and review of nondominant seventh chords and chromatic harmony. Analysis and written exercises.

Prerequisite: Music 104.

204 Intermediate Theory and Composition II

3 Hrs.

Continuation of chromatic harmonies. Introduction to and analysis of smaller forms. A study of basic homophonic forms. Introduction to compositional techniques of the 20th century and possibilities of melodic, harmonic, and tonal expansion. Analysis and written exercises.

Prerequisite: Music 203.

207 Music in America

3 Hrs.

A survey of music and musical practices in the United States from colonial times to the present, with particular emphasis on those inherent qualities which have permeated America's serious and popular music over the past three centuries. No musical background necessary.

208 Piano Technology

3 Hrs.

An introductory study of piano technology with special emphasis on the practical application of tuning, elementary repair and maintenance.

Admission of non-music majors by permission of the instructor.

209 Recreational Music

2 Hrs.

Materials, methods and repertoire used in music therapy for leisure-time activities. Particular emphasis will be placed on appropriate song material for individuals of varying ages and music preferences. Completion of guitar is recommended.

211 Music Leadership

3 Hrs.

Experience is gained in planning, implementing, facilitating, and evaluating appropriate music therapy experiences for special populations. Emphasis is placed on arranging and conducting small vocal and nonsymphonic instrumental ensembles.

Prerequisite: Music 217.

213, 214 Intermediate Sight-Singing and Ear-Training

1 Hr., 1 Hr.

Study and application of techniques of music reading and identification of sound. Grading is Pass/No Record for all students enrolled. Course is completed at any time during the term when proficiency has been achieved.

Music 114 is Prerequisite to Music 213.

Music 213 is prerequisite to Music 214.

215 Diction for Singers (English, Latin, and Italian)

1 Hr.

Two 50-minute periods weekly in which students are instructed in use of the International Phonetic Alphabet as well as the correct pronunciation of the English, Latin, and Italian languages in relation to singing.

Prerequisite: Previous vocal training or consent of the instructor.

216 Diction for Singers (French and German)

1 Hr.

Two 50-minute periods weekly in which students are instructed in the correct pronunciation of the French and German languages in relation to singing.

Prerequisite: Music 215.

217 Introduction to Music Therapy

3 Hrs.

An introductory course surveying the use of music therapy with individuals having various handicapping conditions including mental retardation, emotional disturbance, orthopedic handicaps, medical disorders, speech, hearing and visual impairments.

Open to all students.

307 Music From the Ancient Greeks Through the Baroque Era

3 Hrs.

Study of the broad aspect of music in Western civilization from approximately 500 B.C. through the Baroque era; emphasis on representative composers and forms.

Prerequisite: Music 100.

308 Music in the Classical and Romantic Eras

3 Hrs.

Study of the newly perfected forms of orchestral, chamber, and keyboard music as found in the works of Haydn, Mozart, and the earlier Beethoven; and of the progression of the romantic element in music of the 19th century and composers involved.

Prerequisite: Music 100.

313, 314 Elementary Piano Pedagogy and Materials

3 Hrs., 3 Hrs.

Topics in methods, piano-readiness, musicianship, theory, technique, and interpretation as they pertain to the first four years of piano study; extensive survey and evaluation of pedagogical materials. Observation of piano teachers and supervised student teaching in piano at the elementary level.

Prerequisite: Music 95 or permission of the instructor.

315 Hymnology and Choral Literature

3 Hrs.

The study of the hymn and hymn writers. The poetic and metrical form of the hymn. The philosophy and use of the hymn in worship. An historical and stylistic survey of choral literature for use in the church.

316 Church Liturgies and Music

3 Hrs.

Background review of the liturgies and music of all branches of the Christian church. Background begins with Hebrews, and study continues with the Greek, Roman, Anglican, Lutheran, and Reformed faiths.

317 The Organ in Church Service

3 Hrs.

Instruction in church service playing, with emphasis in repertoire, hymn playing, choir accompaniment, modulation, improvisation and discussion of electronic organs in use today.

Prerequisite: Permission of the instructor.

319 Study of a Composer

3 Hrs.

Each term that this course is offered one composer will be selected for an in-depth examination of his life, works, style, and influence on his contemporaries and followers.

Prerequisite: Music 100. May be taken more than once with different composers studied.

320 Seminar in Applied Analysis

3 Hrs.

Independent study and analysis of comopositional techniques and formal styles of compositions studied in music literature and applied music classes. Class seminar meetings.

Prerequisite: Music 204.

321 Methods for Public School Music Teachers I

2 Hrs.

Materials, theories, and techniques involved in teaching of all areas of music in the elementary school. Introduction to materials, theories and techniques involved in teaching instrumental music in the elementary and junior high schools; observations of local school groups. Class meets three 50-minute sessions per week.

Music 321L is to be taken concurrently except by Music-Business majors.

321L Music Education String Laboratory

1 Hr.

Two weekly sessions of 50 minutes each, in which music education students are taught techniques of playing and teaching the standard string instruments as well as fretted instruments. Should be taken concurrently with Music 321, except for Music-Business majors.

322 Methods for Public School Music Teachers II

2 Hrs.

Continuation of the study of instrumental music in the public schools with emphasis on the high school; materials, theories and techniques involved in teaching choral music in junior and senior high school; observations of local school groups. Class meets three 50-minute periods per week.

Music 322L to be taken concurrently except by Music-Business majors.

322L Music Education Wind and Percussion Lab

1 Hr.

Two weekly sessions of 50 minutes each, in which music education students are taught techniques of playing and teaching woodwind, brass, and percussion instruments. Should be taken concurrently with Music 322, except for Music-Business majors.

323 Vocal Pedagogy

2 Hrs.

Materials, methods, and procedures used in the teaching of basic principles of vocal production. Supervised practice teaching within the class and observation of private voice teaching.

Prerequisites: Permission of the instructor and one year of college level vocal instruction.

350 Independent Studies in Music

3 Hrs.

Students who have shown a particular interest in some phase of music may pursue this interest under the guidance of an appointed faculty member.

Prerequisite: Permission of the department, junior or senior standing, and at least a B average in all music studies taken at Queens College.

399 Half-Recital

0 Hrs.

The preparation and performance of a half-recital in the major instrument. Grading is Pass/No Record for all students enrolled.

400 Senior Recital

1 Hr.

The preparation and performance of a full public solo recital in the major instrument. Grading is Pass/No Record for all students enrolled. Only Bachelor of Music performance majors may enroll in this course.

401 Psychology of Music I

3 Hrs.

Music preference and ability are studied, along with physiological, cognitive, and affective responses to music.

Prerequisites: Psychology 201. To be taken in junior or senior year. Open to all students.

402 Psychology of Music II

3 Hrs.

Study of observation systems and measurements as well as historical, philosophical, descriptive and experimental research related to music therapy.

Prerequisite: Music 401.

407 Music Literature of the Twentieth Century

3 Hrs.

Study of the development of music during the 20th century beginning with the works of Debussy and Mahler; aspects, means of expression, and present day tendencies examined and discussed through the use of contemporary masterpieces.

Prerequisite: Music 100.

408 Composition

3 Hrs.

Creative expression in various musical media based on a study of traditional and 20th century forms and techniques of composition; suitable compositions performed in workshop recitals. Admission by permission of the instructor.

409 Music in Therapy I

3 Hrs.

The use of music therapy in clinical settings with psychiatric and geriatric clients. Assessment, behavorial objectives, treatment plans, documentation and evaluation as well as treatment modalities and therapeutic techniques are discussed for each population. Must be taken concurrently with Music 411.

Open to music therapy juniors and seniors.

410 Music in Therapy II

3 Hrs.

Continuation of Music in Therapy I with special emphasis on new trends and uses of music therapy in childbirth, general hospital settings, substance abuse and pain centers. Major therapeutic techniques are surveyed and discussed. The course concludes with a comprehensive review of medical, charting, and population terminology. Must be taken concurrently with Music 412.

Prerequisite: Music 409.

411 Music Therapy Practicum I

1 Hr.

Must be taken concurrently with Music 409; supervised clinical music therapy practicum.

412 Music Therapy Practicum II

1 Hr.

Must be taken concurrently with Music 410.

413, 414 Advanced Piano Pedagogy and Literature

2 Hrs., 2 Hrs.

For use in teaching the more advanced student; comprehensive survey of the literature of the piano, with discussion of musicianship; technique, theory, and interpretation. Students concentrating in piano pedagogy should take Music 417, 418 concurrently.

415 Choral Conducting

2 Hrs.

Basic conducting techniques applied to producing choral music.

Prerequisite: At least one year of choir experience and Music 204 or permission of the instructor.

415A Choral Arranging

1 Hr.

Arranging of music for choral performance.

Prerequisite: At least one year of choir experience and Music 204 or permission of the instructor.

415L Conducting Lab

1 Hr.

Individual attention is given to each student's technical development in conducting. The study of the score will be emphasized from the director's standpoint. Primarily for choral conducting majors.

416 Instrumental Conducting

2 Hrs.

Techniques of score reading and orchestral conducting as developed from a study and understanding of fundamentals of orchestration; laboratory experience in conducting.

Prerequisite: Music 204 or permission of the instructor.

416A Instrumental Arranging

1 Hr.

Arranging of music for instrumental performance.

Prerequisites: Music 204, 321L, and 322L or permission of the instructor.

417, 418 Supervised Student Teaching in Piano

1 Hr., 1 Hr.

Observation of piano teachers and supervised student teaching in piano at the elementary level.

Prerequisites: Music 313, 314.

451 Music Business Internship

1, 2, 3 Hrs.

Assignment to a music organization and/or corporation for on-the-job experience. Limited to junior or senior music-business majors. May be repeated once. Grading is Pass/Fail for all students enrolled.

456 Music Therapy Professional Internship

4 Hrs. minimum

A six-month continuous full-time affiliation with an approved clinical facility which follows all course work. The intern will perform assigned music therapy duties under the supervision of an experienced registered music therapist. Open to music therapy majors who have completed all course work. Grading is Pass/Fail for all students enrolled.

457 Music Management Seminar

2 Hrs.

This course meets for two hours, one evening per week with guest lecturers on facets of the music industry (e.g., copyright laws, retail and wholesale marketing, arts management, publicity, advertising, instrument maintenance, piano tuning, radio and TV, fundamentals of sound recording, fund raising, etc.).

Prerequisite: Senior level standing.

475 Sacred Music Professional Internship

1, 2, 3 Hrs.

Working in local churches to develop a consistent philosophical, theroretical and practical approach to music in worship. Grading is Pass/Fail for all students enrolled.

Prerequisite: Music 316.

490 Music Professional Internship

1, 2, 3 Hrs.

Students are placed with a music organization where they receive on-the-job work experience. Grading is Pass/Fail for all students enrolled.

Prerequisites: Junior or Senior level standing and permission of the department.

Applied Music

The designation for the individual instrument studies is indicated by the letter following the course number: (a) piano, (b) organ, (c) strings, (d) voice, (e) other instruments (including guitar).

170, 180 Applied Music (for no credit) For full-time college students only. One half-hour private lesson in piano, organ, strings, or voice. Attendance at lessons and satisfactory work are expected at all times. See fee schedule in section on Costs.

Private Instruction

Piano, organ, strings, voice, harp, guitar, or other instrument. The general aim of private instruction is development of all phases of performance: technique, style, musicianship, interpretation, and repertoire. Assignments to instructors are made by the chairman of the department, and students usually remain with the same instructor throughout the course of study. Students registered for two or three credits per term receive 60 minutes of individual instruction and a one-hour weekly group repertoire or workshop session; students registered for one credit per term receive 30 minutes of individual instruction and a one-hour weekly group repertoire or workshop session. See fee schedule in section on Costs. Credit received in Applied Music on the basis of Pass/No Record grading cannot be used toward major or minor concentrations in music.

171, 181 Private Instruction in Applied Music and Repertoire Class

1 Hr., 1 Hr.

One hour of daily practice required. May be repeated for credit.

172, 182 Private Instruction in Applied Music and Repertoire Class

2 Hrs., 2 Hrs.

Two hours of daily practice required. May be repeated for credit.

173, 183 Private Instruction in Applied Music and Repertoire Class

3 hrs., 3 Hrs.

This course is open only to Applied Music (performance) majors under the Bachelor of Music degree program and requires no fewer than three hours daily practice and two approved public performances (student workshops included) in each term. Freshman performance majors are exempted from the requirement of giving a public performance during Term I. May be repeated for credit.

371, 381 Private Instruction In Applied Music and Repertoire Class

1 Hr., 1 Hr.

Admission to upper level standing only by permission of music faculty or jury examination. One hour of practice required daily.

372, 382 Private Instruction in Applied Music and Repertoire Class

2 Hrs., 2 Hrs.

Admission to upper level standing only by permission of music faculty or jury examination. Two hours of practice required daily.

373, 383 Private Instruction in Applied Music and Repertoire Class

3 Hrs., 3 Hrs.

These courses are open only to Applied Music (performance majors under the Bachelor of Music degree program) and juniors and seniors in the piano pedagogy curriculum and require no fewer than three hours daily practice. Performance majors are required to have two approved public performances (student workshops included) in each term. Specific performance requirements for piano pedagogy students enrolled here are waived. Admission to upper level standing only by permission of the music faculty or at jury examinations.

Music Classes

Credit hours gained in courses marked with an asterisk (*) may not be counted toward the 40 hours music concentration under the B.A. program in music.

*55, 56 Piano Class for Music Majors

1 Hr., 1 Hr.

One weekly session of 50 minutes in which classes of beginning piano students are instructed in the fundamentals of piano playing in partial preparation for entering Music 95. Primarily for music therapy, music education and other students who are required to have a piano proficiency before graduation. Regular practice required.

Music 55 is prerequisite to Music 56.

*57, 58 Piano Class for Non-Music Majors

1 Hr., 1 Hr.

One weekly session of 50 minutes in which classes of students are instructed in the beginning phases of piano playing. Elective for students with *no* previous training; regular practice required.

Music 57 is prerequisite to Music 58.

*65, 66 Guitar Class

1 Hr., 1Hr.

One weekly session of 50 minutes in which students are instructed in the fundamentals of guitar playing. This course is specifically designed for the music therapy major who must pass a proficiency exam in this instrument before graduation.

Music 65 is prerequisite to Music 66.

75 Voice Class

1 Hr.

Two weekly sessions of 70 minutes each, in which students with little or no vocal training are instructed in the basic vocal principles, simple exercises, and songs; regular practice is required.

Open to all students; required of all students concentrating in music education unless they have comparable credit in private voice instruction; recommended for music therapy majors who will not study voice as the principal applied area should be taken as early as possible in the program of study. Grading is Pass/No Record for all students enrolled.

*85, 86 Ensembles: (a) Small Ensemble (b) Orchestra (c) Vocal Coaching (d) Piano Ensemble

1 Hr., 1 Hr.

(a) Accompanying or work, discussion, and performance in chamber groups; sonatas, trios, quartets.

(b) Participation in the Queens Community String Orchestra. (The string orchestra and wind ensembles will give joint performances of full orchestral literature periodically.) There will be a music usage fee for all non-Queens persons enrolled.

(c) Work with an accompanist on various styles of vocal literature, under the supervision of a member of the voice faculty. (The vocal coaching credit may not be counted towards the ensemble requirement.)

(d) Study and performance of duet and two-piano literature with a member of the piano faculty.

(e) Study and/or performance of literature for woodwind and brass instruments.

Prerequisite: Permission of the instructor.

*87, 88 Concert Choir and Small Vocal Ensemble

1Hr., 1Hr.

Admission by audition only; repertoire includes works for large choir as well as small ensemble from the 15th century through the contemporary period.

90, 91 Opera Workshop

1 Hr., 1 Hr.

The preparation and performance of scenes from opera, in a recital setting.

95 Functional Piano Class

1 Hr.

Includes procedures and skills for proficiency in reading, harmonization, and transposition at sight; materials for teaching elementary and secondary school music; and experience in accompanying.

Open to any student with sufficient background but designed particularly for students majoring in some aspect of public school music or piano pedagogy. The class will meet for one-hour sessions twice a week. Grading is Pass/No Record for all students enrolled. Students may exempt this course by passing a proficiency examination.

Concert Attendance

Regulations regarding events and their validations as well as the number of concerts and recitals required for New Dimensions and transfer students are contained in the annual music-student handbook.

10, 11 Concert Attendance for Freshmen

O Hrs., 0 Hrs.

Freshmen are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record.

20, 21 Concert Attendance for Sophomores

O Hrs., O Hrs.

Sophomores are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record.

30, 31 Concert Attendance for Juniors

0 Hrs., O Hrs.

Juniors are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be subsituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record.

40, 41 Concert Attendance for Seniors

0 Hrs., 0 Hrs.

Seniors are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be subsitituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record.

Division of Humanities

Richard Goode, *Chairman*
Professor of English

Cathy Smith Bowers
Lecturer in English

Diane M. W. Castle
Assistant Professor of Foreign Languages (French)

Mollie C. Davis
Professor of History

Frye Gaillard
Writer-in-Residence

Charles O. Hadley
Dana Professor of English

Jane H. Hadley
Assistant Professor of English (Drama)

Terry Jo Hamilton
Instructor in Religion

Marjorie T. Kirby
Z. Smith Reynolds Professor of Foreign Languages (Spanish)

Dorothy McGavran
Lecturer in English

Douglas A. Minnerly, Jr.
Instructor of Dramatic Arts

Paul B. Newman
Professor of English

Norris W. Preyer
Dana Professor of History

Stuart C. Schwartz
Lecturer in History

John William Slater
Assistant Professor of Communications

Ernest Lee Stoffel
Associate Professor of Religion

William A. Thompson
Professor of History

Robert W. Whalen
Associate Professor of History

Humanities

Humanities 211, 212, 213, and 214 are interdisciplinary courses which, within the framework of the historical approach, introduce the student to the major artistic, religious, intellectual, literary, social, and political developments in Western civilization. In these courses, the major writings and artistic works of each period are examined together with a variety of modern interpretations.

Classes meet three time a week and consist of general lectures, interdisciplinary faculty discussions, class discussions, and films. The teaching staff consists of four instructors—one each from history, literature, art, and religion—with the participation of faculty from other disciplines.

Distributed Requirements

Humanities Courses Taken	*Elective Hours Earned*	*Distributed Requirements Satisfied*
1	3	0
2	3	1, in either History or Religion in Area III
3	3	2, chosen from History and Religion in Area III, and English Literature in Area VI
4	0	4: History and Religion in Area III, and English Literature and Art in Area VI

211 The Western Experience in the Ancient World

3 Hrs.

An interdisciplinary course which explores the Western experience from the origins of civilization in the ancient Near East to the end of the Roman Empire in the West. The major literary, artistic, religious, philosophical, and historical works of each period are examined.

212 The Western Experience in the Middle Ages, Renaissance, and Reformation

3 Hrs.

An interdisciplinary course which explores the Western experience from the advent of the Middle Ages through the Reformation. The major literary, artistic, religious, philosophical, and historical works of each period are examined.

213 The Western Experience from the Scientific to the French Revolution

3 Hrs.

An interdisciplinary course which explores the Western experience from the Scientific Revolution and the Baroque Period through the Enlightenment and the French Revolution. The major literary, artistic, religious, philosophical, and historical works of each period are examined.

214 The Western Experience from the French Revolution and Romanticism to the Nuclear Age

3 Hrs.

An interdisciplinary course which explores the Western experience from the French Revolution and the advent of Romanticism and the Industrial Revolution to the Nuclear Age. The major literary, artistic, religious, phiolsophical, and historical works of each period are examined.

English

Courses in the department include composition, literature, speech, film, dramatic arts, and communications. Students are encouraged to take courses in all these areas, but courses in speech, film, dramatic arts (unless specified), and communications do not count towards a regular major in English. Initial courses train the student to perceive and evaluate the form, structure, and inner dynamics of any literary work. Advanced courses focus on specialized areas of relevance and are designed to give the student an awareness of ways in which other disciplines can contribute to a fuller understanding of literature.

Careers

Study of literature and composition affords preparation for professional schools in law and teaching. In addition, students majoring in this department find their training applicable to editing, newspaper and television journalism, copywriting for publishers and advertising agencies. When combined with study in communications, economics and business, careers may be planned for public relations and personnel work. Career opportunities also exist in films, theatre, and many phases of creative writing. Students may also obtain teaching certificates through elective courses. Students interested in drama and theatre may want to consider the program outlined in the section on dramatic art.

TEACHER CERTIFICATION.

Students majoring in English may earn certification to teach on the secondary level (grades 9-12). Refer to the Education Department section of the *Bulletin* for specific requirements.

Major

Students may major in English, or in English/Drama. The requirements for the English major are as follows:

Core courses: 201, 301, 302, 331, 332, 460; plus any two of the following: 309, 313, 318, 320; plus any two of the following: 322, 325, 326, 327; plus any two upper-level English courses. A total of 36 hours in English is required, except that English majors may substitute three semesters of the sequence of Humanities courses 211, 212, 213, 214 for English 201.

The following courses in Dramatic Art will be accepted: 303, 304, 327, 336. Major advisers will consult with students in career and graduate school preparation, and in planning tailored programs in communications, journalism, teaching, and drama. Advanced placement will allow exemption from 201. Outstanding majors will be invited by the department to participate in a program of special study which, if successfully completed, will result in graduation with Honors in English.

Minor

Non-English majors may follow a program leading to a minor in English; or in English/Drama; or in Communications. English majors may follow a program leading to a minor in Communications, if they so desire. The requirements for the minor in English are as follows: English 201, 301, and 302 are required. English 460 is recommended as part of the remaining 12 hours, nine of which must be at the 300 level or above.

Distributed Requirements

The requirement Area I, is met by English 101 and 102, to be taken in Terms I and II of the freshman year. The requirement, Area VI, in literature, may be met by English 201 or 217, or by taking three semesters of the sequence of Humanities courses 211, 212, 213, or 214; or by any literature course numbered 300 or above in the foreign language department. English majors may not use English courses to fulfill Area VI Distributed Requirements.

Prerequisites

English 101, 102, and either 201 or three semesters of the Humanities sequence 211, 212, 213, 214 are prerequisite to all English courses numbered 300 or above. Special consideration will be given, in certain cases, to non-English majors who desire to take courses numbered 300 or above.

99 Basic Composition

Basic Composition is required as part of English 101 for students who fail to score on the TSWE at the required level. The course will concentrate on the fundamentals of grammar and on the basic sentence skills needed for successful writing during the student's college career. Students who receive a grade of D or F in Communication Skills I will be required to take Basic Composition while enrolled in Communications Skills II. The final grade in English 99 will be averaged with grades of four short essays written in English 101; therefore, the grade of English 99 may raise or lower a student's final grade in English 101.

101 Communications Skills I

3 Hrs.

This course will emphasize the development of the student's critical standards, and will stress the ability to use research techniques. Some reading will be done to provide thematic content to the course.

102 Communications Skills II

3 Hrs.

Course designed to help freshmen to write, read, and speak clearly. Part of the semester will be devoted primarily to speech. The rest of the semester will be devoted to teaching the student how to organize and write an effective short essay. Readings and research material will be used to stimulate the student's critical insights and to provide thematic content.

Prerequisite: English 101.

109 Business English

3 Hrs.

Basic review of mechanics and composition skills. Some attention to oral as well as written communication. Letter writing and introduction to technical writing.

No credit toward English major or Distributed Requirements.

201 Introduction to Literature

3 Hrs.

Selected American, English, and European fiction, and drama; interpretive reading and writing based on literature; class discussions, individual conferences, and short papers. Course is prerequisite to all English courses numbered 300 and above, except in certain cases, with approval of instructor.

202 Women in Literature

3 Hrs.

Organized around female stereotypes and archetypes, this study of images of women in literature makes use of reading selections from nineteenth and twentieth century authors illustrating both positive and negative views of women as wives, mothers, sex objects, seductress-goddesses, spinsters and liberated persons.

207 Expository Writing I

3 Hrs.

Expository writing based upon topics and readings to be assigned by the instructor. The student will be expected to write knowledgeable expository prose based upon thought, reading, and research.

Prerequisites: English 101 and 102, or permission of the department.

NOTE: Students may elect this course as Communication 207.

208 Expository Writing II

3 Hrs.

A continuation of Expository Writing I for those students who need or wish further experience in developing their writing.

Prerequisite: English 207, or permission of the department.

NOTE: Students may elect this course as Communications 208.

217 Backgrounds to Western Literature

3 Hrs.

A study of the classical and biblical backgrounds which figure so importantly in the development of the Western literary tradition. While some consideration will be given to the historical and philosophic nature of the works studied, the emphasis will be on the works as great literature. Included will be a study of the Bible, Greek drama, the homeric epic, and Aristotle's Poetics.

Open to freshmen, sophomores, and students not concentrating in English, as well as students concentrating in English.

301, 302 Literary History of England

3 Hrs., 3 Hrs.

Historical and critical exploration of the major periods, forms, and attitudes of English literature from Beowulf to the present. Continuties and discontinuities of central developments of English literature will be discussed through the texts. Literary examination and judgement as well as writing skills will be stressed.

For sophomores and juniors: 301, 302 need not be taken before other 300 numbered courses, but can be taken simultaneously or later.

303 Major Figures in World Drama: Ancient Greece to the Renaissance

3 Hrs.

Survey of dramatic literature from ancient Greece to the Renaissance, with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period.

NOTE: Students may elect this course as Dramatic Art and Speech 303.

304 Major Figures in World Drama: Renaissance to Modern

3 Hrs.

Survey of dramatic literature from the Renaissance to the time of Ibsen with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural millieu of the period.

NOTE: Students may elect this course as Dramatic Art and Speech 304.

307 Advanced Composition

3 Hrs.

Study of principles of writing, with special attention to observation and reflection, form and meaning, modern usage, and effective expression.

NOTE: Students may elect this course as Communications 307.

308 Creative Writing

3 Hrs.

Practice in writing and in criticism of the essay, short story, and poem in view of a final piece of sustained, related work, for students with interest in and aptitude for composition.

Admission by permission of the instructor.

NOTE: Students may elect this course as Communications 308.

309 Chaucer and Medieval Literature

3 Hrs.

Readings in medieval English literature with emphasis on Chaucer, the Arthurian romance, and the medieval drama.

312 The Renaissance

3 Hrs.

Exploration of the major attitudes, forms, and techniques of Renaissance literature with an emphasis on England. Broad connections with related developments in Renaissance art, history, and government will also be examined.

313 Shakespeare

3 Hrs.

Representative comedies, histories, tragedies, and romances with emphasis on Shakespeare's development as a dramatic artist.

318 The Seventeenth Century

3 Hrs.

Study of poetry, drama, and prose with emphasis on Jonson, Donne, and the Metaphysicals, and Milton.

320 Literature of the Restoration and the Eighteenth Century

3 Hrs.

A study of neo-classical literature, from the Restoration through Pope and the Augustans to the pre-romantics.

322 The Romantics

3 Hrs.

Representative major poetical works of early and late Romantic authors. Key prose documents in the rise and development of Romanticism will also be examined.

324 The Victorian Age

3 Hrs.

Consideration of the major themes and concerns of novelists, poets, and prose writers of the Age of Victoria; emphasis on the works of Tennyson, Carlyle, and other important figures.

325 The Novel

3 Hrs.

Development of the novel as a literary form using selected works of English fiction from the 18th century to the present.

326 Modern British Literature

3 Hrs.

Examination of modern British literature from the turn of the century to the 1950's. Emphasis on the work of Joyce, Yeats, Shaw, and the Bloomsbury Group. Central themes and technical innovations in 20th century poetry, fiction, and drama will be explored.

327 Modern Drama

3 Hrs.

Study of world drama from the realism of Ibsen thorough naturalism, expressionism, and symbolism to the current avant-garde theatre.

NOTE: Students may elect this course as Dramatic Art and Speech 327.

328 Modern American and English Poets

3 Hrs.

Development of modern poetry from its post-Victorian beginnings to the present; emphasis on Frost, Eliot, Yeats, and Stevens.

329 Identity conflicts in Modern American Literature

3 Hrs.

Study of conflict between identity in a minority group and identity as an American.

331 American Literature to 1900

3 Hrs.

Study of the particular properties and the major movements of American literature as seen in the works of the major writers to 1900.

332 American Literature Since 1900

3 Hrs.

Study of the particular properties and the major movements of American literature as seen in the works of major writers since 1900.

333 Southern Literature

3 Hrs.

Study of growth and development of the literature of the American South. The course will emphasize unique regional qualities of subject, theme, and style.

334 Studies in Linguistics

3 Hrs.

Studies of the main tenets of structural linguistics and transformational grammar with some attention to the relation between linguistic theories and older theories about language. Correlation of traditional grammar skills with modern linguistic theory.

336 Tragedy

3 Hrs.

Explorations of various possibilities of defining tragedy in terms of the protagnoist, a plot, an effect upon the audience, an attitude towards life, or others.

NOTE: Students may elect this course as Dramatic Art and Speech 336.

341 Spanish Literary Classics

3 Hrs.

Important literary works from various periods chosen for their importance and influence or reflection on world literature.

All course work conducted in English.

NOTE: Students may elect this course as Spanish 341.

343 French Literary Classics

3 Hrs.

Consideration of major literary works from various periods chosen for their value as contributions to world literature.

All course work conducted in English.

NOTE: Students may elect this course as French 343.

345 Spanish Drama of the Golden Age

3 Hrs.

Literary background of the Golden Age; reading and evaluation of drama.

All course work conducted in English.

NOTE: Students may elect this course as Spanish 423.

348 Cervantes

3 Hrs.

Study of works of Cervantes, with emphasis on Don Quixote and the *Novelas Ejemplares.*

All course work conducted in English.

NOTE: Students may elect this course as Spanish 448.

351 Special Studies in English Literature

3 Hrs.

Intensive consideration of a single problem in English literature. The topic for the course will vary from term to term and may range from a consideration of the work of a major writer to a study of a single genre or intellectual movement.

May be taken twice with different subtitles.

352 Special Studies in American Literature

3 Hrs.

Intensive consideration of a single problem in American literature. The topic for the course will vary from term to term and may range from a consideration of the work of a major writer to a study of a single genre or intellectual movement.

May be taken twice with different subtitles.

354 Special Studies in World Literature

3 Hrs.

Intensive consideration of a single problem in world literature. The topic for the course will vary from term to term and may range from a consideration of the work of a major writer to a study of a single genre or intellectual movement. Primarily intended for short term courses.

May be taken twice with different subtitles.

355 Existential Philosophy in Literature

3 Hrs.

An examination of the themes and ideas of contemporary existential thought as they are embodied in the literary works of authors such as Dostoyevsky, Kafka, Malraux, Sartre, Beckett, Ionesco, and others. The course involves an analysis of such ideas as the nature and destiny of man, the problems of freedom and evil, the notions of alienation and isolation, the idea of the "death of God," and the ontological significance of death and anxiety.

NOTE: Students may elect this course as Philosophy 315.

357 Professional Internship in English

1, 2, 3 Hrs.

Practical experience in application of English skills in business, media, or other selected areas. May be repeated for not more than six hours. Only three hours credit applicable to English major. Open primarily to junior and senior majors. Permission of instructor required.

449 Directed Readings in Composition or Literature

1, 2, 3 hrs.

Independent investigation of a topic in composition or literature through a program of directed readings; oral examination conducted by the course supervisor and other members of the department upon invitation. Open to junior and senior majors with a 3.000 average in English. Student must have taken at least six hours of upper-level English courses and have permission of the department.

450 Independent Study in Composition or Literature

2, 3, 4 Hrs.

Independent investigation of a topic in composition or literature resulting in a research paper which is evaluated by two members of the department. Open to junior and senior majors with a 3.000 average in English. Student must have taken at least six hours of upper-level English courses and have permission of the department.

460 Studies in Literature and Criticism

3 Hrs.

Student will read works of literature and interpret them in the light of modern critical theories. Readings will include critical essays and selected works by major authors.

Seminar for seniors only.

Dramatic Art and Speech

Major in English/Drama

Students may major in English/Drama. Such a major provides the opportunity for concentrated work in dramatic literature and theatrical production. Electives may be chosen from the related fields of literature, dance, and music. This major will introduce the student to all phases of theatrical and dramatic theory and practice.

Requirements for the major: English 201; Dramatic Art 250, 303, 304, 315, 317 (minimum twice, at least one semester involving technical aspects of theatre), and 352; 15 additional hours to be selected from English 313 (Shakespeare), Dramatic Art 327 (Modern Drama), 336 (Tragedy), 350 (Advanced Acting), 231 (Film History), 232 (Film Criticism), 450 (Directed Study), 475 (internship with off-campus theatre company or other practical project selected in consultation with adviser). Total requirement: minimum 35 hours.

Minor

Students other than English majors are offered the option of declaring a minor in English/Drama. Twenty-one hours are required: English 201, Dramatic Art and Speech 317, plus nine hours from the following: Dramatic Art and Speech 103, 250, 303, 304, 315, and 352; plus six additional hours from English 313, Dramatic Art and Speech 231, 232, 336, 350, 450.

103 Voice and Diction

3 Hrs.

An analysis of each student's voice, articulation and pronunciation with the aim of identifying and correcting non-standard speech habits. Through use of the international Phonetic Alphabet and language laboratory equipment, concentration will be centered upon the perfection of vowels, diphthong and consonant sounds. Directed exercises will give the student practice in the improvement of voice and diction. Dialectical problems are analyzed and corrected.

NOTE: Students may elect this course as Communications 103.

231 History of Film

3 Hrs.

Introduction and historical analysys of the development of cinema; aesthetics and techniques, movements and genres, makers and performers. Film-viewing and optional filmmaking.

NOTE: Students may elect this course as Communications 231.

232 Film Critisism

3 Hrs.

Study of the nature of film as an art form, with detailed discussion of individual films. An analysis of the backgrounds of filmmaking.

NOTE: Students may elect this course as Communications 232.

250 Beginning Acting

3 Hrs.

Introduction to the basic principles of theatrical presentation from the viewpoint of the actor; relating to self, environment, and other actors by way of exercises in relaxation, pantomine, improvisations, and group work in selected scenes from plays.

303 Major Figures in World Drama: Ancient Greece to the Renaissance

3 Hrs.

Survey of dramatic literature from ancient Greece to the Renaissance, with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period.

NOTE: Students may elect this course as English 303.

304 Major Figures in World Drama: Renaissance to Modern

3 Hrs.

Survey of dramatic literature from the Renaissance to the time of Ibsen with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period.

NOTE: Students may elect this course as English 304.

315 Principles of Play Production

3 Hrs.

Introduction to principles of scene design, painting, stage lighting, costume design and construction, and makeup for open stage and proscenium stage.

317 Practicum in Play Production

1, 2, or 3 Hrs.

Opportunity for practical application of principles of set construction, lighting, costumes, makeup, publicity, or acting in the production of a play for round or proscenium stage.

327 Modern Drama

3 Hrs.

Study of world drama from the realism of Ibsen through naturalism, expressionism, and symbolism to the current avant-garde theatre.

NOTE: Students may elect this course as English 327.

336 Tragedy

3 Hrs.

Explorations of various possibilities of defining tragedy; in terms of the protagonist, a plot, an effect upon the audience, an attitude towards life, or others.

NOTE: Students may elect this course as English 336.

350 Advanced Acting

3 Hrs.

Concentration on perfection of acting technique through an exploration of improvisational techniques, voice and movement, ensemble methods and motivational analysis in relation to specific characters within a given play.

Prerequisite: Dramatic Art 250. This course may be repeated for credit up to six hours.

352 Directing for the Theatre

3 Hrs.

Introduction to the basic principles of theatrical production from the viewpoint of the director; exploration of composition, picturization, movement, rhythm, and pantomimic dramatization in the direction of a one-act play.

Prerequisites: Dramatic Art 250 and 317.

450 Directed Studies in Drama, Theatre and Speech

2, 3, 4 Hrs.

Independent investigation of an area in dramatic literature, theatre or speech. Open to junior and senior majors with a 3.000 average in English/Drama.

475 Professional Internship in Drama

1, 2, 3 Hrs.

Practical experience in application of dramatic skills to off-campus theatre or to the media or to some other project selected in consultation with the adviser. May be repeated for not more than six hours. Only three hours credit applicable to English/Drama major. Open primarily to junior and senior majors.

Communications

Students in communications should strive for excellence in writing. The communications major challenges the student to achieve the first goal for success in this field (the goal which most employers stress above any other): *the ability to write effectively and correctly.* Further, the courses analyze the complex interaction of the mass media and society as they reveal the exciting career opportunities open to the student in the rapidly expanding field of communications.

Students work closely with their advisers in planning the total program. Through careful selection, they can structure an introductory emphasis in one of the main fields of communications. This emphasis must include at least one internship, which is of major importance to the program. Queens students engage in internships in television, radio, public relations, advertising, journalism, publishing, and corporate communications. As one of the most rapidly expanding centers of communications in the southeast, Charlotte offers many opportunities to the student.

Major

The communications major consists of a total of 39 hours, as follows: Communications 110, 204, 207, 208*, 304, 307, 400, 415; English301, 302, 331, 332; and 3 hours of history at the 300 level.

Each student is required to keep a portfolio of her work for periodic review by the English and communications faculty.

*The student whose portfolio is acceptable to the English Department may elect to take Communications 103, 209, 231, or 232 instead of 208.

A student in the communications major is required to work for two semesters on the Queens *Current* and/or *Arete,* the credit not counting toward the major. The student may elect to repeat the course for a total of 8 elective hours.

Recommended Electives

Other courses in the communications curriculum: Humanities 211, 212, 213, 214; 12 hours of history to include 203, 204; 12 hours of Spanish or French; Economics 203; Business 101 or the equivalent (a typing speed of 40 words per minute), 115, 324, 340; Political Science 201; Psychology 201; Philosophy 203 or 207; DAS 103, 250; Art 355, 365; Sociology 203.

Minor

The communications minor consists of a total of 20 hours, as follows: Communications 110, 204, 207, 208*; one course at the 300 level; 400; and two semesters (2 credit hours) in Communications 212-I or 212-II. For the student who is not an English major, 201 is also required.

*The student whose portfolio in Communications 207 is acceptable to the English Department may elect to take Communications 103, 209, 231, or 232 instead of 208.

103 Voice and Diction

3 Hrs.

An analysis of each student's voice, articulation and pronunciation with the aim of identifying and correcting non-standard speech habits. Through use of the international Phonetic Alphabet and language laboratory equipment, concentration will be centered upon the perfection of vowels, diphthong and consonant sounds. Directed exercises will give the student practice in the improvement of voice and diction. Dialectical problems are analyzed and corrected.

NOTE: Students may elect this course as Dramatic Art and Speech 103.

110 Introduction to Mass Communications

3 Hrs.

An introduction to the major fields of communications (television, radio, film, newspapers, magazines, advertising, and public relations) and to the importance of communications in modern American society. Some attention will be paid to the history of the media and to the laws, pressure groups, and regulatory agencies which influence them.

204 Introduction to News Writing and Editing

3 Hrs.

Study of newspaper methods and the techniques of news writing,with some emphasis on elementary problems of editing and make-up.

Prerequisites: Communications 110 and English 101 and 102, or permission of the department.

207 Expository Writing I

3 Hrs.

Expository writing based upon topics and readings to be assigned by the instructor. The student will be expected to write knowledgeable expository prose based upon thought, reading, and research.

Prerequisites: English 101 and 102, or permission of the department.

NOTE: Students may elect this course as English 207.

208 Expository Writing II

3 Hrs.

A continuation of Expository Writing I for those students who need or wish further experience in developing their writing.

Prerequisite: Communications 207, or permission of the department.

NOTE: Students may elect this course as English 208.

209 Techniques of Communications Production

3 Hrs.

The course includes electronic news gathering theory and electronic field production theory with some hands-on experience in production. Introduction to the applications of video in advertising and public relations, including techniques of production and editing video, audio, and film. Introduction to multi-image presentations, including some script writing. Basic operation and maintenance will be stressed.

Prerequisites: Communications 110 and 204.

212-I Practicum in Communications

1 Hr.

Practical work in producing the college yearbook, *Arete.*

212-II Practicum in Communications

1 Hr.

Practical work in producing the student newspaper, *Current;* includes weekly journalism laboratory with instructor.

231 History of Film

3 Hrs.

Introduction and historical analysis of the development of cinema; aesthetics and techniques, movements and genres, makers and performers. Film-viewing and optional filmmaking.

NOTE: Students may elect this course as Dramatic Art and Speech 231.

232 Film Criticism

3 Hrs.

Study of the nature of film as an art form, with detailed discussion of individual films. An analysis of the backgrounds of filmmaking.

Prerequisites: Communications 110 and English 102, or permission of the department.

NOTE: Students may elect this course as Dramatic Art and Speech 232.

304 Advanced Writing for the Media

3 Hrs.

Advanced study of the techniques of writing for the media, with emphasis on the development of specialized skills and research techniques.

Prerequisites: Communications 204 and 207.

307 Advanced Composition

3 Hrs.

Study of principles of writing, with special attention to observation and reflection, form and meaning, modern usage, and effective expression.

Prerequisite: Communications 207, or permission of the department.

NOTE: Students may elect this course as English 307.

308 Creative Writing

3 Hrs.

Practice in writing and in criticism of the essay, short story, and poem in view of a final piece of sustained, related work, for students with interest in and aptitude for composition.

Prerequisite: Communications 307, or permission of the department.

NOTE: Students may elect this course as English 308.

310 Television Production

3 Hrs.

The student will learn the essentials of television studio production, including scripting, staging, lighting, set design, story board preparation, etc. The student will study the various roles involved in television production, such as director, writer, editor, and lighting engineer; and will gain some hands-on experience in work on a production using the available equipment.

Prerequisites: Communications 110, 209, or permission of the department.

350 Independent Study in Communications

3 Hrs.

This course involves an independent investigation of a period in the history of mass communications or of the influence of mass media on contemporary culture or of a topic related to other particular facets of the study of mass communications: for example, journalism, television, radio, magazines, advertising, or some aspect of American popular culture. Open to junior and senior majors with a 3.000 average in communications.

Prerequisites: Communications 110, 204, and permission of the department.

360 Topics in Communications

3 Hrs.

Intensive consideration of a single topic in communications. The topics for the course will vary from term to term and may range from a consideration of the work of a single individual to a study of a general movement.

Open to majors and to others with the permission of the department. May be taken twice with different subtitles.

361 Topics in Journalism

3 Hrs.

Intensive consideration of a single topic in journalism. The topic for the course will vary from term to term and may range from a consideration of the work of a single individual to a study of a general movement.

Open to majors and to others with the permission of the department. May be taken twice with different subtitles.

400 Communications Professional Internship

1, 2, 3 Hrs.

This course involves a period of work-study in some aspect of communications—a radio or television station, a newspaper office, an advertising agency, the editorial office of a magazine—as circumstances dictate. Each student will be evaluated by the supervising agency and will write a personal evaluation of the work experience. May be taken for up to nine hours of credit. Open to junior and senior majors only.

Prerequisites: Communications 110, 204, 207, and permission of the department.

415 Media Ethics

3 Hrs.

Analysis of media policies and practices with respect to their social impact; governmental regulations of the media; libel laws; pressure groups and their influence; the social responsibilities of media management; other ethical issues confronting persons in communications. Required of all senior majors.

Foreign Languages and Literatures

Majors in French, Spanish, Latin-American Studies, and Business/Foreign Languages are available in this department. Major work in any one of these areas provides the basis for graduate study.

Careers

Career opportunities involving language skills include such areas as education, journalism, broadcasting, research, library science, translation, business, travel,health services, and employment with the Federal Government. The acquisition of foreign language skills in addition to other skills increases career options. The special interdisciplinary Business/Foreign Language major provides skills in both areas.

TEACHER CERTIFICATION. Students majoring in French or Spanish may earn certification to teach on the secondary level (grades 9-12). Refer to the Education Department section of the *Bulletin* for specific requirements.

Placement

College Entrance Examination Board language achievement test scores are used as a guide for placement. At the time of registration entering students who have taken this test will be informed of their language options. If students have not taken the CEEB foreign language achievement test, they must take the Foreign Language Department Placement Test if they are continuing the study of the same language previously had. A student must be properly placed in a language course before credit is granted.

Study Abroad

Students majoring in foreign languages will be encouraged to study abroad under the auspices and programs of approved institutions. Foreign language study, when it occurs as part of such programs, must be approved in advance by the student's language adviser. Credit for such work will be granted only upon receipt of transcripts and/or the successful completion of a departmental examination.

Distributed Requirements

French 101 may fulfill Distributed Requirements, Area II, only upon satisfactory completion of French 102. French 201, 202, or any departmental literature course numbered 300 or above, excluding the directed readings courses, will fulfill the requirements in Area II.

Any literature course numbered 300 or above will fulfill the requirement in Area VI.

Spanish 101 may fulfill Distributed Requirements, Area II, only upon satisfactory completion of Spanish 102. Spanish 201, 202, or any departmental literature course numbered 300 or above, excluding the directed readings courses, will fulfill the requirement in Area II.

Any literature course numbered 300 or above will fulfill the requirement in Area VI.

Business/Foreign Language Major

Students majoring in this interdisciplinary program will acquire business as well as foreign language skills. Requirements for the program are given in the section entitled "Division of Interdisciplinary Studies."

French

Major

Thirty credit hours of French courses, above the 100 level as approved by the major adviser, are required. At least 18 credit hours are to be from courses numbered 300 and above, including French 315, 316, 460, 471, and 472.

Minor

A minor consists of at least 18 hours of French courses above the 100 level, including French 321.

Policy

Unless otherwise stated, all 300- and 400-level courses are conducted in French.

Distributed Requirements

French 101 may fulfill Distributed Requirements, Area II, only upon satisfactory completion of French 102. French 201, 202, or any departmental literature course numbered 300 or above, excluding the directed readings courses, will fulfill the requirement in Area II.

Any literature course numbered 300 or above will fulfill the requirement in Area VI.

Prerequisites

Prerequisites for courses 300 and above are French 201 and 202 or equivalent, or consent of the instructor. Prerequisites to all French literature courses are French 315, 316, or permission of the instructor.

101, 102 Elementary French

3 Hrs., 3 Hrs.

Presentation of the basic structure of the language, first term emphasis on the spoken language; second term, the use of the written language for communication and comprehension.

200 Directed Readings in French

1, 2, 3 Hrs.

Directed study of a topic requiring use of French language sources.

Admission by consent of the instructor.

201 Intermediate French

3 Hrs.

Study of the structure of the language; written and oral composition; reading of literary selections.

Prerequisite: French 102 or equivalent.

202 Intermediate French

3 Hrs.

Reading of literary selections and materials on civilization with discussion in French on works being read. Intensive work in the oral language.

Prerequisite: French 102 or equivalent.

300 Directed Readings in French

1, 2, 3 Hrs.

Directed study of a topic requiring use of French language sources.

Admission by consent of the instructor.

315, 316 Introduction to French Literature

3 Hrs., 3 Hrs.

Selections to be read are chosen from important authors of the various periods, studied for content and style, as a reflection of the period and as a phase in the development of the literature.

321 French Conversation

3 Hrs.

Oral training accompanied by regular practice in the language laboratory; oral reports and discussions assigned in advance.

322 Advanced French Conversation

3 Hrs.

Discussion and reports based on articles from newspapers and magazines published in French.

Prerequisite: French 321 or consent of instructor.

343 French Literary Classics

3 Hrs.

Consideration of major literary works from various periods of French literature, chosen for their values as contribution to world literature.

Works to be read in the original, papers and tests to be written in French.

NOTE: Students may elect this course as English 343, with all course work conducted in English.

350 Professional Internship in French

1, 2, 3 Hrs.

Supervised experience in a situation where the language must be used. Admission by permission of the instructor.

370 Topics in French Studies

3 Hrs.

Course designed to address a specific topic or area of French studies. Topic will be announced the semester preceding the offering.

Prerequisite: To be designated for each specific course offered.

399 Commercial French and Translating

3 Hrs.

The course will include the study of various types of letters, order forms, contracts, checks, receipts, bank drafts, and the translating and writing of various types of business letters.

400 Directed Readings in French

1, 2, 3 Hrs.

Directed study of a topic requiring the use of French language sources.

Admission by consent of the instructor.

425 Nineteenth-Century Literature: Romanticism

3 Hrs.

Study of the literary movements of the first half of the century,with emphasis on romanticism in works of prose, poetry, and drama.

426 Nineteenth-Century Literature: Realism and Naturalism

3 Hrs.

Literary movement of the last half of the century; emphasis on the developments of realism and naturalism and the reaction to these.

435 Twentieth-Century Literature: Prose Writers

3 Hrs.

Novelists and essayists including Gide, Proust, Mauriac, Sartre, Simone de Beauvoir, Camus, and the new novel.

436 Twentieth-Century Literature: Drama and Poetry

3 Hrs.

Including works of Claudel, Giraudoux, Cocteau, Anouilh, Sartre; also Theatre of the Absurd; poetry of Valery, Appollinaire, and the surrealists.

442 Problems in Teaching Modern Language (French)

1 Hr.

Required for students in the secondary education program, taken concurrently with Education 442; designed to give special attention to problems and techniques found in the teaching of modern languages. One hour per week throughout the term.

451 French Grammar and Composition

3 Hrs.

A systematic review and a more advanced study of the grammatical structure of the language, introduction to evolution of French, oral and written application of principles to increase fluency.

460 Reading List and Comprehensive Examination

2 Hrs.

The reading list will consist of selections or complete works in French literature. A comprehensive examination based on the reading list will be given at the end of the term.

Required of all graduating seniors in the department. To be taken (preferably) during the January Term of the junior year.

471 Research

1 Hr.

A one-term research program in French preparatory to the senior thesis.

472 Senior Thesis

3, 4 Hrs.

Study of a topic of special interest to the student. Presentation of the study, written in

French, will be made and defended before a review committee.

Prerequisite: French 471.

Spanish

Major in Spanish

Thirty credit hours of Spanish courses above the 100 level as approved by the major adviser are required. At least 18 credit hours are required from Spanish courses numbered 300 and above, including 301, 302, 460, 471, and 472.

Major in Latin-American Studies

Degree requirements for this interdisciplinary program are given in the section entitled "Division of Interdisciplinary Studies."

Minor in Spanish

At least 18 hours of courses in Spanish above the 100 level, including Spanish 321, are required.

Policy

Unless otherwise stated, all 300- and 400-level courses are conducted in Spanish.

Distributed Requirements

Spanish 101 may fulfill Distributed Requirements, Areas II, only upon satisfactory completion of Spanish 102. Spanish 201, 202, or any departmental literature course numbered 300 or above, excluding the directed reading courses, will fulfill the requirement in Area II.

Any literature course numbered 300 or above will fulfill the requirement in Area VI.

Prerequisites

Prerequisites for courses 300 or above are Spanish 201 and 202 or their equivalent, or consent of the instructor.

101, 102 Elementary Spanish

3 Hrs., 3 Hrs.

Presentation of basic grammatical structure with emphasis on correct oral and written use of the language; introduction to the Hispanic civilization.

200 Directed Readings in Spanish

1, 2, 3 Hrs.

Directed study of a topic requiring use of Spanish language sources.

Admission by consent of instructor.

201 Intermediate Spanish

3 Hrs.

Review and more advanced study of the language with emphasis placed on structure and the written expression of thoughts.

Prerequisite: Spanish 101, 102, or equivalent.

202 Intermediate Spanish

3 Hrs.

Review and more advanced study of the language with emphasis placed on oral use; introduction to the civilization of Spain.

Prerequisites: Spanish 101, 102, or equivalent.

300 Directed Readings in Spanish

1, 2, 3 Hrs.

Directed study of a topic requiring use of Spanish language sources.

Admission by consent of the instructor.

301, 302 Study of Hispanic Literature

3 Hrs., 3 Hrs.

Introduction to Spanish literature, its historical background, and important literary trends, developed through reading and discussion of significant works.

321 Spanish Conversation

3 Hrs.

Advanced training in speaking, report making, and comprehension; continued stress on pronunciation, intonation, and on correct modes of expression. Introduction to literary concepts.

322 Advanced Spanish Conversation

3 Hrs.

Current socio-political problems of Latin America discussed through the works of Latin-American essayists and short story writers.

Prerequisite: Spanish 321 or consent of the instructor.

331, 332 Spanish-American Literature I and II

3 Hrs., 3 Hrs.

Chronological developments of Spanish-American literature; readings reflect history, culture, and social and literary trends.

Admission by consent of the instructor.

341 Spanish Literary Classics

3 Hrs.

Major literary works from various periods of Spanish literature chosen for their value as contributions to world literature. Works to be read in original, papers and tests to be written in Spanish.

NOTE: Students may elect this course as English 341, with all course work conducted in English.

399 Commercial Spanish and Translating

3 Hrs.

The course will include the study of various types of letters, order forms, contracts, checks, receipts, bank drafts, and the translating and writing of various types of business letters.

400 Directed Readings in Spanish

1, 2, 3 Hrs.

Directed study of a topic requiring the use of Spanish language sources.

Admission by consent of the instructor.

402 Contemporary Spanish Literature

3 Hrs.

Literature and ideas of 20th century from the "Generation of 1898" to the present; the influence of history on the literature; stylistic analysis of works of the author studied.

Admission by permission of the instructor.

405 Professional Internship in Spanish

1, 2, 3 Hrs.

A supervised experience in a situation in which the language must be used.

423 Spanish Drama of the Golden Age

3 Hrs.

Literary background of the Golden Age; reading and evaluation of masterpieces of drama. Works to be read in the original; papers and tests to be written in Spanish.

NOTE: Students may elect this course as English 345 with all course work conducted in English.

Admission by consent of the instructor.

442 Problems in Teaching Modern Language (Spanish)

1 Hr.

Required for students in the secondary education program, taken concurrently with Education 442. Designed to give special attention to problems and techniques in teaching of modern languages. One hour a week throughout the term.

448 Cervantes

3 hrs.

Study of works of Cervantes, with emphasis on *Don Quixote* and *Novelas Ejemplares.* Works to be read in the original; papers and tests to be written in Spanish.

Admission by consent of the instructor.

NOTE: Students may elect this course as English 348, with all course work conducted in English. Otherwise, course will be taught in Spanish.

451 Advanced Grammar and Composition

3 Hrs.

A systematic review and a more advanced study of the grammatical structure of the language; an introduction into the evolution of Spanish; oral and written application of the principles studied to increase fluency.

460 Reading List and Comprehensive Examination

2 Hrs.

The reading list will consist of selections or complete works in Spanish and Spanish-American literatures. A comprehensive examination based on the reading list will be given at the end of the term.

Required of all graduating seniors in the department. To be taken (preferably) during the January Term of the junior year.

471 Research

1 Hr.

A one-term research program in Spanish preparatory to the senior thesis.

472 Senior Thesis: Spanish

3, 4 Hrs.

Study of a topic of special interest to the student. Presentation of the study, written in Spanish, will be made and defended before a review committee.

Prerequisite: Spanish 471.

475 Research

1 Hr.

A one-term research program in Latin-American Studies preparatory to the senior thesis.

476 Senior Thesis: Latin-American

3, 4 Hrs.

Study of Latin-American topic of special interest to the student. Presentation of the study, written in Spanish, will be made and defended before a review committee.

Prerequisite: Spanish 475.

History

History, drawing upon nearly all fields of knowledge, helps provide a deeper understanding and perspective of the forces which influence individuals and the world around them. It trains one in the skills of research, analysis, and written interpretation.

Careers

A concentration in history is an excellent general foundation for many occupations, professional careers, and graduate study. It provides opportunities for careers in teaching, policy research in government and business, archives and records management, law and politics, and foreign service. Queens College is a member of the institute of Applied History.

TEACHER CERTIFICATION. Students majoring in History may earn certification to teach on the secondary level (grades 9-12). Refer to the Education Department section of the *Bulletin* for specific requirements.

Major

Students may earn a Bachelor of Arts degree with a major in history. Two other majors with concentrations firmly based in the history curriculum are American Studies (see page 108) and Museums, Archives, and History Sites (see page 108).

Requirements for the History major are as follows: Ten history courses, including History 101, 102, 203, 204, 300,and 490 are required; in addition, two 300-level courses,one in the United States and one in an area outside the United States, are required. MAHS 475 may apply toward the ten history courses. History majors may substitute Humanities 211 and 212 for History 101 and Humanities 213 and 214 for History 102, in which case or cases the total number of required courses would be either 11 or 12 instead of 10.

Students should consult with faculty advisers to work out a program tailored to individual career objectives.

Students pursuing a concentration in history in American Studies or in Museums, Archives, and Historic Sites must meet the requirements listed under those majors. Students also may obtain teaching certificates through elective courses.

Minor

Other majors may follow a program leading to a minor in history, in American Studies,or in Museums, Archives and Historic Sites. The requirements for the minor in history are at least 18 credit hours in history, including three courses to be selected from History 101, 102, 203, and 204; two 300-level courses, one in the United States and one in an area outside the United States. History 300 or 490 is recommended for the remaining three credit hours. History minors may substitute Humanities 211 and 212 for History 101 and Humanities 213 and 214 for History 102, in which case or cases the total number of courses would be either 7 or 8 instead of 6.

Honors Program

Academically talented students are encouraged to participate in the Honors Program (see page 111).

Distributed Requirements

The requirement, Area III, is met by History 101, 102, 203, 204,or by taking two semesters of the sequence of Humanities courses 211, 212, 213, and 214.

Prerequisites

Dependent upon the courses and noted in descriptions, History 101 (or Humanities 211 and 212) or 102 (or Humanities 213 and 214), 203 or 204 are required except with permission of the instructor.

101 World Civilizations to 1650

3 Hrs.

A survey of the history of civilization from the ancient world to the European crises of the seventeenth century, with emphasis upon the political, social, and intellectual development of Western civilization.

102 World Civilization Since 1650

3 Hrs.

A survey of the history of civilization from the end of the religious wars and the emergence of the great European powers to the crises of the twentieth century and nuclear age, with emphasis generally upon the political, social, and intellectual development of Western civilization.

203 The United States to 1877

3 Hrs.

Rise of an American tradition; establishment of a nation; economic and social developments; expansion and sectional controversy; war and reconstruction.

204 The United States since 1877

3 Hrs.

Settling the West; the triumph of business; reform movements and foreign affairs; the New Deal era; the Cold War era.

300 Research in Local and Family History

3 Hrs.

Course designed for majors and minors to provide training and practice in historical research with emphasis in working with such materials as court records, deeds, wills, and census returns. There will be written and oral presentations of findings.

Prerequisite: Junior standing or permission of the instructor.

NOTE: Students may elect this course as MAHS 300.

301 English History to 1688

3 Hrs.

A survey of English history from the Roman conquest to the Glorious Revolution, with emphasis on the Tudor and Stuart periods.

Prerequisite: History 101 (or Humanities 211 and 212) or permission of the instructor.

302 English History Since 1688

3 Hrs.

The age of aristocracy and the first empire; the struggle against revolutionary and Napoleonic France; the era of reform and high tide of imperialism; the democratic age and the storms of war.

Prerequisite: History 102 (or Humanities 213 and 214) or permission of the instructor.

307 History of Latin America

3 Hrs.

A survey of the forces and events which have shaped Latin America experiences from the 16th century to the present.

315 Folklore and Oral History

3 Hrs.

Examination of ways in which cultures were preserved in the past (folklore, folklife, handicrafts, etc.) and the study of and practice in the methodology of gathering and preserving historical information in oral form.

NOTE: Students may elect this course as MAHS 315.

317 History of Russia

3 Hrs.

Cultural heritage of Kievan Russia; Muscovy and the origins of the autocratic state; St Petersburg, imperial capital and cradle of revolution; the new Leninist autocracy and the emergence of the USSR as a world power.

Prerequisite: History 101 or 102 or permission of the instructor.

319 Modern Germany

3 Hrs.

A survey of German history from 1618 to the present. Begins with the Thirty Years War, traces the evolution of the several German states, examines the process of unification led by Bismarck, and analyzes the emergence and solution of the "German Problems" in the nineteenth and twentieth centuries.

321 Nazi Germany

3 Hrs.

An intensive examination of German National Socialism. This course considers topics such as the origins and nature of Fascism; the Second World War in Europe; and the Holocaust.

Prerequisite: History 102 or Humanities 214 or permission of the instructor.

322 History of the Far East

3 Hrs.

A study of the history and culture of India, China, and Japan. Art, architecture, science, philosophy, and religion as well as family life and government, will be looked at as manifestations of a people's culture. Some of the more recent political and economic developments examined will be the role of Gandhi and the Nehrus in India, the Communist revolution and Four Modernizations in China, and the Meiji Restoration and the "Economic Miracle" of Japan.

325 American Foreign Policy

3 Hrs.

Major themes in the history of American diplomacy to 1945 with emphasis on their applications,modification, and development in relation to America's increased responsibilities as a world power.

Prerequisite: History 203 or 204 or permission of the instructor.

NOTE: Students may elect this course as Political Science 325.

326 Contemporary American Foreign Policy

3 Hrs.

Analysis of the role of the United States in contemporary world politics; emphasis upon the nature of the foreign policy-making process and the rationale, content, and impact of contemporary American international actions and policies.

Prerequisite: History 204 or permission of the instructor.

NOTE: Students may elect this course as Political Science 326.

361 Ideas and Values in Conflict in History

3 Hrs.

A study of decisive intellectual and moral conflicts involving individualism, humanism, obscurantism, fundamentalism, racism, nationalism, totalitarianism, socialism, Nazism, Communism, materialism, and fanaticism.

376 The Lives and Times of Eminent Victorians

3 Hrs.

A study concentrating on the political, social, intellectual, and cultural currents and developments in Victorian England.

379 Europe in the Middle Ages

3 Hrs.

A study of the political, intellectual, religious, cultural, social, and economic developments in Europe, Byzantium, and the Islamic world from the end of the Ancient World to the early Renaissance,with primary emphasis on Western Europe.

Prerequisite: History 101 (or Humanities 211 and 212) or permission of the instructor.

380 Renaissance and Reformation

3 Hrs.

A study of the political, intellectual, religious, cultural, social, and economic developments in Europe from the 14th to the 17th centuries, a period of transition from Medieval to Modern Europe.

Prerequisite: History 101 (or Humanities 211 and 212) or permission of the instructor.

386 Europe Since 1789

3 Hrs.

A comparative survey of modern Europe from the French Revolution to the present. The course investigates, among other topics, European industrialization, wars and revolutions, cultural trends, and social changes.

389 Topics in United States History

3 Hrs.

Topics are announced annually.

Prerequisite: History 203 or 204 or permission of the instructor.

390 Individuals and Generations

3 Hrs.

A biographical approach to history through the study of individuals living in different chronological periods. Students will gain a vivid and concrete feel for these historical times and examine the interaction of external forces upon the attitudes and actions of individuals.

391 Topics in World History

3 Hrs.

Topics announced annually.

Prerequisite: History 101 or 102 or permission of the instructor.

392 American Women: Leaders and Movements

3 Hrs.

Review of the central role of women in the history of the United States.

393 Main Currents in Southern History

3 Hrs.

Emphasis is on the economic, cultural, and intellectual forces that have shaped the thinking and actions of the South.

Prerequisite: History 203 or 204 or permission of the instructor.

394 Black-White Relations in America

3 Hrs.

A study of the interaction of blacks and whites in the British colonies and United States up to the present. Key periods and issues will be studied to see the problems faced, the responses made, and the consequences and significance of this heritage for both blacks and whites.

395 Intellectual History of the United States

3 Hrs.

Study of the intellectual tradition of the nation and the unique synthesis of ideas that has characterized American thought. Through examination of a cross-section of the works of major intellectual figures and explorations of the modes of thought of various generations, the course aims to provide students with deeper insights into the development of the "American" mind. Among topics under consideration are: the Puritan Mind, the American Enlightenment, ideas of the New Republic, the Mind of the South, individualism, pragmatism, conservatism, and reform.

Prerequisite: History 203 or 204.

396 Urban History: American Cities in the Life of the Nation

3 Hrs.

Study of growth, development, and changing character of major cities in the United States from colonial days to the present. Emphasis placed on the city's impact on the thought and life of the nation.

Prerequisite: History 203 or 204 or permission of the instructor.

397 The United States: 1920 to 1945

3 Hrs.

The domestic history of the United States from 1920 to 1945; stress placed on diverse cultural and intellectual developments with special attention to the strain of social change and the subsequent responses of the institutions and movements.

Prerequisite: History 204 or permission of the instructor.

398 The United States: 1945 to the Present

3 Hrs.

The domestic history of the United States during the post World War II years: stress is placed on the 1950s and 1960s and the intellectual, cultural, and social ferment from that period to the present.

Prerequisite: History 204 or 397 or permission of the instructor.

399 Forces of Change

3 Hrs.

A broad examination of various factors that act on individuals and society to produce change in the world. Climate, geography, economics, science and technology, global dynamics, culture, ideas, the individual and the masses,psychology, religion, and philosophy are some of the factors that might be discussed, utilizing readings of Toynbee, Turner, Webb, Rostow, Marx, Mumford, Forrester, Spengler, Tolstoy, James, and/or others.

449 Directed Readings in History

1, 2, 3 Hrs.

Independent investigation of a topic through a program of directed readings. There will be an interpretive paper and oral examination conducted by department members.

Open to majors with a B average in history after departmental approval of the topic.

450 Independent Study in History

1, 2, 3 Hrs.

Independent investigation of a topic through the writing of a research paper; oral examination conducted by department members.

Open to majors with a B average in history after departmental approval of the topic or project.

475 Professional Internship in History

1, 2, 3, 4 Hrs.

Designed to enable students to receive training in law and politics, public administration, governmental and foreign service, or other such career opportunities for which history provides a background.

Grading is Pass/Fail.

Open only to junior and senior majors with the permission of the department.

To count toward the history major at least 3 credit hours must be taken.

490 Senior Seminar

3 Hrs.

Colloquium for history majors who meet for discussion, lectures, and presentations of papers.

Museums, Archives, and Historic Sites

This major is designed to provide a foundation for careers in museums, preservation, historic sites, archival research, records management, and historic archaeology. It requires an internship with a participating museum, archives, historical site or agency. The program is affiliated with the Institute of Applied History, making students eligible for internships with the Division of Archives and History in Raleigh.

Major

Thirty-three credit hours required as follows: MAHS 150, 277, 300, 475; History 203, 204, plus six credit hours from History 101 (or Humanities 211, 212), 102 (or Humanities 213, 214), 392, 393, 394, 395, 396; and at least nine credit hours from a list of electives approved by the MAHS director. Some of these electives are MAHS 315, 335, 336, 337, 349, 378, 379, 380, and 450. Substitutions, where applicable, may be made with the approval of the MAHS director.

The Department of Art, in conjunction with the Museums, Archives, and Historic Sites curriculum, offers the Bachelor of Arts degree in Ar with a concentration in American Art/Museum Studies. For listing of the requirements , see page 70; for further information, contact the MAHS director of the Art Department.

Minor

Twenty-one credit hours required as follows: MAHS 150, 277, 475; History 203, 204; and six credit hours from the list of electives given above for the MAHS major. History majors must substitute six additional credit hours of approved electives in the place of History 203, 204.

150 Museology

3 Hrs.

Introduction to the nature of museum operations with emphasis on collections, registrar's function, conservation, research and interpretation, exhibition, educational programs, and public relations.

277 Historic Site Interpretation

3 Hrs.

A seminar exploring problems in the presentation and interpretation of historic dwellings and sites. The Hezekiah Alexander House and other historic preservations, restorations, and sites in the area will be utilized as laboratories for the seminar.

300 Research in Local and Family History

3 Hrs.

Course designed to provide training and practice in genealogical and historical research with emphasis in working with such materials as court records, deeds, wills, and census returns. There will be written and oral presentation of findings.

Prerequisite: Junior standing or permission of the instructor.

NOTE: Students may elect this course as History 300.

315 Folklore and Oral History

3 Hrs.

Examination of ways in which cultures were preserved in the past (folklore, folklife, handicrafts, etc.) and the study of and practice in the methodology of gathering and preserving historical information in oral form.

NOTE: Students may elect this course as History 315.

335 Exhibit Design and Installation

3 Hrs.

A study of the importance of museum and historic site presentations and of the ways exhibitions are created. Design philosophy, exhibit interpretation, selection of materials, mockups, display problems, construction techniques, lighting, artifact handling and security, traveling exhibits, evaluation, and career possibilities are topics that will be examined. There will be a behind-the-scenes visit to an exhibit shop and a class project centering on the design of an exhibit or the actual installation of an exhibit.

336 Museum Management

3 Hrs.

A study of the purpose and scope of museum management, including museum ethics and law, organizational structure, policy and procedure, physical facilities, funding, public relations, and other topics essential for successful operation of an historical agency, museum, or cultural institution. Offered on demand.

337 Cultural Resources Collection Management

3 Hrs.

A study of the collecting policies and core of artifacts, documents, and photographs in historical agencies, archives, museums, and business or cultural organizations. Research and documentation, registration, storage, conservation, cataloging and nomenclature, security, and records management will be examined. Offered on demand.

349 Directed Readings in Museums, Archives, and Historic Sites

1, 2, 3 Hrs.

A concentrated program of readings in the museum, historic site, preservation, or archival field in preparation for the MAHS practicum. An interpretive paper and oral examination are required.

378 Historic Site Archaeology

3 Hrs.

A study of the philosophy and methods of historic site archaeology. The course will examine artifact analysis, types of sites, stratigraphy, dating techniques, site interpretation, and other archaeology skills necessary to excavate sites.

379 Archaeology Field School

3 Hrs.

The practical application of the methods and techniques of historic site archaeology. The "dig" will be carried out under the direction of a professional archaeologist. Grading is Pass/No Record.

380 Topics in Museums, Archives, and Historic Sites

3 Hrs.

Intensive consideration of a special topic in Museums, Archives, and Historic Sites. Topics for the course will vary to supplement regular offerings.

450 Independent Study in Museums, Archives, and Historic Sites

1, 2, 3 Hrs.

An independent project making use of principles and methods employed in the museum, archival, historic site, or preservation field. Open to majors with a B average after departmental approval of the project.

475 Professional Internship: Museums, Archives, and Historic Sites

1, 2, 3, 4 Hrs.

Designed to enable students to receive training in archives, museum work, restoration sites, historical agencies, or other such career opportunities. Grading is Pass/Fail. Open only to juniors and seniors with permission of the department. May be taken twice in different areas.

Philosophy

Students in the department are trained to look upon life critically and sensitively through the process of reflective thinking. Philosophy touches many areas of the liberal arts; hence, its program is conceived broadly to provide links with the various elements of the general education program.

Careers

Study may lead primarily to graduate work;

however, it also provides a broad liberal arts background applicable to a number of related practical fields such as literature and religion.

Philosophy Minor

Eighteen hours are required for the minor in philosophy. The student is required to take either Philosophy 203 or 207 and 205. At least nine hours must be at the 300 level.

Prerequisite

Philosophy 203 or 207 is a prerequisite for taking any 300-level or above philosophy course.

203 Introduction to Philosophy

3 Hrs.

Introductory study of the perennial questions of philosophy and the various methods by which philosophy has tried to answer them.

205 Elementary Logic

3 Hrs.

A study of deductive logic in its development from traditional Aristotelian logic to contemporary symbolic logic. Emphasis on learning valid reasoning procedures, the fallacies of language, and problem solving using the terms of symbolic logic. Methods and fallacies of scientific method and inductive reasoning also discussed.

207 Ethics

3 Hrs.

Study of the theories and writers in moral philosophy; practical questions considered in the context of major questions of good, duty, and right; consideration of problems in social ethics; and the critical analysis of contemporary moral problems.

220 The Philosophy of Religion

3 Hrs.

An historical survey of the ideas which have shaped religious experience and values. This course will emphasize the development of a critical understanding of significant philosophical problems such as the existence of God and the problem of evil.

NOTE: Students may elect this course as Religion 220.

301 History of Western Philosophy: Part I — Ancient Through Medieval

3 Hrs.

An historical treatment of the problems of philosophy with a focus in ideas that have shaped the course of Western thought. The development of these ideas will be traced in the writings of great philosophies, ending with the maturity of Medieval philosophy in the works of St. Thomas Aquinas in the 13th century.

302 History of Western Philosophy: Part II — Renaissance Through Modern

3 Hrs.

Continuation of Philosophy 301. This course begins with William of Ockham and the *via moderna* and continues through Kant and Hegel in the 18th century, examining the ideas that have shaped the philosophy of modern Western cultures.

303 Contemporpary Philosophy

3 Hrs.

Problems of philosophy in their modern setting; development of ideas that have shaped Western thought analyzed in the writings of some of the influential modern philosophers.

Prerequisite: Three credit hours chosen from Philosophy 203 or 301.

305 Medical Ethics

3 Hrs.

An investigation of the major ethical dilemmas arising within the life sciences. The course intends to assist students to identify, analyze, and decide ethical issues in such a way that they can defend their positions to themselves and to others. Some of the issues to be investigated are abortion, death and dying, patient rights, and justice in the allocation of medical resources.

311 Existentialism and Phenomenology

3 Hrs.

Study of selected major works in the development of both Existentialism and Phenomenology with concentration upon such men as Kierkegaard, Sartre, Heidegger, Husserl, and Merleau-Ponty.

312 Plato and Aristotle

3 Hrs.

Study of the major writings of Plato and Aristotle.

313 Great Philosophies and Philosophers

3 Hrs.

Study of major movements and periods of philosophy through concentration on specific authors and traditions.

Subtitles indicate the specific philosophers or areas to be studied; may be taken more than once with different subtitles.

Prerequisite: Philosophy 203 or 301, or permission of the instructor.

314 American Philosophy

3 Hrs.

Study of main philosophers and philosophies that have shaped American thought.

315 Existential Philosophy in Literature

3 Hrs.

An examination of the themes and ideas of contemporary existential thought as they are embodied in the literary works of authors such as Dostoyevsky, Kafka, Gide, Malraux, Sartre, Beckett, Ionesco, and others. The course involves an analysis of such ideas as the nature and destiny of man, the problems of freedom and evil, the notions of alienation and isolation, the idea of the "death of God," and the ontological significance of death and anxiety.

NOTE: Students may elect this course as English 355.

336 Political Theory I

3 Hrs.

Political thought from classical Greece to Hobbes; examination of the content of political thought and its sources in and impact upon society during the ancient, medieval, and Renaissance periods.

NOTE: Students may elect this course as Political Science 336.

337 Political Theory II

3 Hrs.

Political thought from Hobbes to the Twentieth Century; examination of the content of political thought and its sources in and impact upon society from the Seventeenth Century to the Twentieth Century.

NOTE: Students may elect this course as Political Science 337.

350 Directed Studies in Philosophy

1-3 Hrs.

Faculty supervised study of an approved topic in philosophy through selected readings. To be evaluated through a weekly meeting with the instructor and a comprehensive paper. May be repeated once for credit.

425 Seminar in Philosophy

3 Hrs.

Study of topics of special interest, such as Chinese philosophy, philosophy of science, and Indian philosophy.

Prerequisite: Previous work in philosophy or senior standing.

450 Independent Studies in Philosophy

3 Hrs.

Independent investigation of a topic by means of a thesis or a program of directed readings.

Admissions by permission of the instructor.

Religion

College study in religion should increase a student's awareness of the scope and variety of the ways human beings seek meaning in life. Courses in this department can aid the student in grasping what any religious heritage means and in evaluating the religious choices which persons and societies continually make.

Careers

A religion major is a sound preparation for seminary or other graduate work, or employment in the human service fields.

For information on the Queens-Presbyterian School of Christian Education Dual Degree Program, see page 50.

Major

Thirty-six credit hours required as follows: Religion 205, 206, 220, 225, 230, 300, 301, 303 or 304, 344, 440, 441; an elective in religion.

Minor

Eighteen credit hours required as follows: Religion 105, 205, 206, and three courses from among the following: Religion 220, 300, 301, 303 or 304, 309, 311, 344.

Distributed Requirements

The Distributed Requirement in religion, Area III, is fulfilled by Religion 105, 205, 206 or by taking two semesters of the sequence of Humanities courses 211, 212, 213, and 214.

105 An Introduction to Religion

3 Hrs.

An introduction to religious thought and experience including sociology of religion, history of the Christian Church, theology, ethics, and comparative religions.

205 The Old Testament

3 Hrs.

Introduction to the nature of the biblical writings and to methods of Bible study. The history, literature, and faith of the people of Israel as seen in the Old Testament.

206 The New Testament

3 Hrs.

The history, literature, and faith of the early Christian community as seen in the New Testament.

Students intending to take six hours in the Bible should enroll in 205 prior to 206.

220 The Philosophy of Religion

3 Hrs.

An historical survey of the ideas which have shaped religious experience and values. This course will emphasize the developments of a critical understanding of significant philosophical problems such as the existence of God and the problem of evil.

NOTE: Students may elect this course as Philosophy 220.

225 Christianity as an Historical Movement

3 Hrs.

A chronological study of some major events and personalities of the Christian Church, from the origins to the present day.

230 Practicum in Religion

3 Hrs.

The practicum is designed to encourage the student to explore theological issues in the context of contemporary society through direct participation in a supervised project.

300 Historical Theology

3 Hrs.

An introduction to some of the issues and questions which frame theological discussion in the Reformed tradition.

301 Major Theologians

3 Hrs.

An intensive study of the content and process in theological enquiry, focusing on the life and writings of one or more major theologians.

Prerequisite:; Religion 300.

303 World Religions I: The Orient

3 Hrs.

Historical survey of Asian cultures and the systems of thought and practice that have made lasting impressions on the Orient; study of some of the major persons and movements that have influenced the development of Oriental religions.

304 World Religion II: Near East and West

3 Hrs.

Interpretive study, both historical and contemporary, of Judaism, Islam, and other religions which have shaped the development of Western culture and history.

306 Prophetic Religion

3 Hrs.

The prophetic movement in Israel; context and message of major Hebrew prophets and selected minor figures; significance of the prophetic style within present-day society.

Prerequisite: Religion 205 or permission of the instructor.

309 The Writings of Paul

3 Hrs.

Paul's life, letters, and teachings in the context of first century Judaism and Hellenism.

Prerequisite: Religion 206 or permission of the instructor.

311 Jesus in the Gospels and in Present-Day Thought

3 Hrs.

An endeavor to understand and interpret the life and person of Jesus, by study of the records concerning Jesus in the four gospels, Christological material in other New Testament books, and a cross section of present-day thinking on the significance of Jesus.

Prerequisite: Religion 206 or permission of the instructor.

317 Religion in America

3 Hrs.

Historical analysis of American leaders and movements in religion, with special attention to continuing social and theological problems.

323 Religion in Contemporary American Society

3 Hrs.

Introduction to recent developments and discussions relating to religious communities, illuminating the religious situation in America; critical study of traditional forms and of newer movements. Study is composite, drawing from sociology of religion, social ethics, history, and theology.

344 Christian Ethics

3 Hrs.

Historical and systematic examination of the issues in Christian ethical thought and of the problems of Christian norms for action, with special attention to major contemporary Christian theorists.

Recommended: A course in New Testament.

349 Topics in Religion

1-3 Hrs.

Concentrated study of a particular person or issue in the field of religion. Topics as proposed will be chosen by the department and approved by Educational Programs and Curriculum Committee to supplement regular offerings and to cover specialized problems. Course may be repeated for credit with different subtitles, but does not satisfy Distributed Requirements.

350 Directed Readings

1-3 Hrs.

Faculty-supervised reading of a department-approved bibliography; results to be reviewed at a weekly tutorial, concluding oral review by department. May be repeated for credit.

440 Senior Seminar

3 Hrs.

A seminar for religion majors which meets weekly to discuss major contemporary issues and the impact of religious thought upon them.

Prerequisites: Religion 300 and 301.

441 Senior Colloquium

3 Hrs.

A colloquium for religion majors to pursue a research topic of interest, leading to a substantial paper.

Prerequisite: Religion 440.

449, 450 Independent Study in Religion

Any two successive terms—1, 2, or 3 Hrs. A project of directed readings or research in the field of religion. In 449 the problem is formulated and the work planned; in 450 the student executes the project. Written report and oral examination by the department.

Prerequisite: Nine hours in religion, and permission of the department; 449 is prerequisite to 450.

Division of Interdisciplinary Studies

American Studies

American Studies is an interdisciplinary major program which allows students to choose from a number of major areas, courses dealing with American life and culture, and to pursue an analysis of specific areas of American civilization through a senior seminar and independent study projects.

A concentration in American Studies encourages students to examine the forces shaping America's civilization, and to integrate a number of academic areas in order to analyze and evaluate the American experience.

Careers

Students majoring in American Studies should grasp the facts of American culture and intellectual history so that they may integrate the knowledge and research technology from a variety of disciplines. A concentration in American studies is an excellent general foundation for many occupations, professional careers, and graduate studies. Through coordinated study in economics and business, English, history, or the social sciences, careers in public administration or law are available. Study in art, communications, literature, music, and history combined with internships enables students to pursue careers in work related to cultural organizations, agencies, and foundations.

Each student, working closely with an adviser, carefully plans a total program designed to enable the graduate to take advantage of exciting new opportunities in the field.

Major

The program consists of 39 credit hours, including American Studies 200, 400, and 450. The remaining 30 hours include at least nine hours in American history, including 203 and 204; English 331, 332; plus 15 hours at the 300 level in courses with an American emphasis (as listed under electives) to be chosen in consultation with an adviser.

Minor

At least 18 hours in courses with an American emphasis in addition to American Studies 200, 400, and 450.

Electives

American Studies majors may elect their major program among the following courses: Art 307; English 328, 329, 333, 352; History 325, 326, 389, 392, 393, 395, 396, 397, 398; Music 207; Philosophy 314; Psychology 303; Religion 317, 323; Political Science 201, 308, 310, 313, 315, 325, 326; Sociology 325, 340. Substitutions, where applicable, may be made with the approval of the director.

200 The American Experience

3 Hrs.

The course will explore significant interrelationships among politics, economics, literature, the arts and religion at selected moments of American history. An interdisciplinary course, it will serve as an introduction to studies in American culture.

400 Senior Seminar in American Studies

3 Hrs.

Colloquium for American Studies majors who meet for papers, reports, and lectures to synthesize insights about American society.

450 American Studies Senior Thesis

3 Hrs.

Opportunity for independent investigation of a theme or project to culminate in a written report. (Open to American Studies majors only.)

Museums, Archives, and Historic Sites

Drawing on courses from several different disciplines, a student may pursue a major or minor in Museums, Archives, and Historic Sites. This program is for those interested in exploring careers in museums, preservation, archives, or historic archaeology. See listing of requirements on page 102. For more information, contact the MAHS Director, Dr. Mollie C. Davis.

American Art/ Museum Studies

The Department of Art, in conjunction with the program in Museums, Archives, and Historic Sites, offers the Bachelor of Arts Degree in Art with a concentration in American Art/Museum Studies. For listing of the requirements, see page 70; for further information, contact the MAHS director or the Art Department.

European Studies

Major in European Studies

The major in European Studies is an interdisciplinary program which offers students a comprehensive knowledge of European civilization and enables graduates to consider business and diplomatic careers in Europe.

The program consists of four parts:

1. At least 39 credit hours in one of several concentrations dealing with Europe.
2. A senior seminar which is included in the 39 credit hours.
3. Electives relating to Europe.
4. Residency in Europe.

Optional Concentrations

A student majoring in European Studies must select one of the five areas for concentration; residency in Europe is required with each.

Economics/Business

Eighteen hours of economics and business courses including Business 333, 420, and Economics 454; History 102 (or Humanities 213 and 214), 302 or 319, 386; Political Science 301, 323; a 321 conversation course in a foreign language; European Studies 470.

French

Eighteen hours of French courses including 321, 343, 435; History 101 (or Humanities 211 and 212), 102 (or Humanities 213 and 214), 386; Political Science 301, 323; Economics 454; European Studies 470.

History

Eighteen hours of courses in history including 101 (or Humanities 211 and 212) and 102 (or Humanities 213 and 214) and any four courses selected from 301, 302, 317, 319, 321, 361, 376, 386, 391 (as approved by the History Department); Political Science 301, 303, 323; Economics 454; a 321 conversation course and a literature course in a foreign language; European Studies 470.

Political Science

Eighteen hours of political science courses including 250 and 301 and four courses from 206, 303, 323, 324, 326, 336, 337, 350 or 450; History 101 (or Humanities 211 and 212), 102 (or Humanities 213 and 214), 386; Economics 454; a 321 conversation course and a 400 directed reading course in a foreign language; European Studies 470.

Spanish

Eighteen hours of Spanish courses including 321, 341, or 301 and 302, 402, 451; History 101 (or Humanities 211 and 212), 102 (or Humanities 213 and 214), 386; Political Science 206, 301 or 323; Economics 454; European Studies 470.

Electives

Students should choose electives in art and music from Art 215, 216; and Music 308 and 407. Electives from other departments which support the major include English 217 and any European literature course; Philosophy 301, 302, 303; Psychology 303; Religion 304; and Sociology 313, 316.

European Residency

A student majoring in European Studies must fulfill a residence requirement in Europe.

The foreign studies adviser assists majors in planning a European residence and must approve all proposed residency programs, which should be scheduled during Term II of the junior year, the summer following the junior year, or Term I of the senior year. The foreign studies adviser and the student's academic adviser will consult with the student during the residency and will determine the academic credit to be transferred or awarded for it when the student returns.

A student must fulfill the European residency requirement by participating in a program such as the Experiment in International Living, a program of the Association of United Colleges for Foreign Exchange and Study; by attending a European educational institution; by enrolling in an American sponsored academic program which does not isolate United States participants from other students; or by working overseas in a situation approved before the work is begun. Credits earned through these programs and approved by the committee may be transferred to Queens College. These programs are open only to majors in European studies.

370 Residency in Europe

An informal program of settled residency in Europe, planned by the student and offering as many as 12 credit hours on a P/NR basis. Credit may be granted for simple domicile with journal at one credit hour per month, or two credit hours per month if student is employed. This course is open only to majors in European Studies.

This course may not be taken concurrently with any international program for which credit may transfer to Queens.

470 Seminar on Europe (Senior Seminar)

3 Hrs.

An on-campus course required of all students majoring in European Studies; taken during the senior year. Students engage in independent study on an approved subject, participate in group discussions on selected topics,and meet with specialists in various branches of European Studies.

Latin-American Studies

Major in Latin-American Studies

Requirements for a Bachelor of Arts degree with a major in Latin-American Studies include Spanish 301, 302, 322, 331, 332, and 476; and nine hours of courses 300 level or above in economics, history, political science, and sociology, as approved by the major adviser.

Minor in Latin-American Studies

Requirements for the minor include at least 18 hours of courses in Spanish, including Spanish 321, 331, and 332.

Business/Foreign Language Major

Students majoring in this interdisciplinary program will acquire business as well as foreign language skills.

The 33 hours of business administration related courses required for this major include Computer Science 100 or 101; Mathematics 105 or 113, and 206; Economics 203 and 204; and Business Administration 207, 208, 305, 333, 340, 360, and 420. The foreign-language component of the major would be French and/or Spanish.

Under the option for one language, the student will select 27 hours of the language, including in French—French 201, 202, 315, 316, 322, 399, 435, 436, and 451; and in Spanish—Spanish 201, 202, 301, 302, 322, 331, 332, 399, and 451.

With the option for two languages, the student will complete fifteen hours of one language including 322, 399, and 451, and twelve hours of the second language, including 322 and 399.

Honors Program

The Queens College Honors Program is designed for the academically talented student to provide as high a degree of freedom and individual challenge as possible.

Each year all students enrolled for a minimum of 12 hours and maintaining a cumulative grade point average of 3.000 or higher are designated "Eligible for Honors." These students are permitted and encouraged to participate in the Honors Program. Students with grades of Incomplete are ineligible for honors unless granted special permission by the Honors Committee. Transfer students must spend one regular term at Queens before becoming eligible for honors.

Graduation with Honors

The titles *summa cum laude, magna cum laude,* and *cum laude* are awarded by the college for academic excellence. The title *summa cum laude* is awarded to students who have a grade point average of 3.850, and to students who have successfully completed an Honors Thesis and have a grade point average of 3.750; the title *magna cum laude* to students who have a grade point average of 3.650; and the title *cum laude* to students who have a grade point average of 3.500. A student must have completed at least 60 hours at Queens College to be eligible for graduation with honors. The grade point average will be determined by work taken at Queens.

Honors Courses

All honors courses with the exception of Honors 300 and Honors 400 require a written proposal with bibliography, submitted in six copies to the Honors Committee for approval no later than November 20 for Term II and January, or April 20 for Term I and Summer.

In-Course Honors

1 Hr.

Honors 199—Open to students in 100-level courses.
Honors 299—Open to students in 200-level courses.
Honors 399—Open to students in 300-level courses.
Honors 499—Open to students in 400-level courses.

In-Course Honors is an opportunity for the student to pursue additional work in a course in which he or she is enrolled. The nature of the work is decided upon by the student and the instructor in whose course the work is to be taken. The student's work must consist of special readings; in addition, a written report is ordinarily required. The paper must be submitted in triplicate to the Honors Committee for the student to receive credit.

The grade is determined by the instructor. Each of these courses may be repeated for additional credit.

Honors 250 Directed Readings

1, 2, 3 Hrs.

This course is open to second-semester freshman, sophomores, juniors, and seniors. Honors 250 provides an opportunity to explore, under supervision of a faculty member, related writings in a field of special interest to the student. No paper is required. An oral examination will be conducted by faculty members previously selected by the Honors Committee. The grade is determined by the faculty examination committee and the supervisor. Honors 250 may be repeated for additional credit.

Honors 300 Honors Colloquium

3 Hrs.

This course is open to sophomores, juniors, and seniors. It provides an opportunity for discussion, reading, analysis and research on a topic to be announced during the previous term. The grade is determined by the instructor. Honors 300 may be repeated for additional credit.

Honors 350 Directed Study

1, 2, 3, 4 Hrs.

This course is open to juniors and seniors. Honors 350 is a detailed study of a topic of special interest to the student, resulting in a paper and oral examination. The work is done under the direction of a faculty member with the joint supervision and evaluation of the Honors Committee. The paper must be submitted in triplicate to the Honors Committee. The student will appear before the committee for an oral examination on the paper. The grade is determined by the Honors Committee and the faculty supervisor of the project. Honors 350 may be repeated for additional credit.

Honors 400 Senior Honors Seminar

1 Hr.

This course is open only to senior Dana Scholars, senior Presidential Scholars, other seniors who have completed at least four hours of honors courses, or by application to the Honors Committee. The Senior Honors Seminar provides an opportunity for integrative, interdisciplinary reflection on selected topics dealing with some important dimension of contemporary life, such as the relationship between science and human values, the nature of innovation and creativity, or the relationship between political action and personal values. The seminar emphasizes discussion and debate. Each year the Honors Committee will select the specific topic(s). Grading is pass/fail.

Honors 450 Honors Research

1, 2, 3, 4 Hrs.

This course is open to juniors and seniors. Honors 450 provides an opportunity for research in a field of special interest to the student, resulting in a paper and oral examination. The work is done under the direction of a faculty member with the joint supervision an evaluation of the Honors Committee. The paper must be submitted in triplicate to the Honors Committee. The student will appear before the committee for an oral examination on her paper. The grade is determined by the Honors Committee and the supervisor of the project. Honors 450 may be repeated for additional credit.

Honors 490-491 Senior Honor Thesis

4, 5, 6 Hrs.

These courses are open to seniors who have completed five hours of honors work with no more than four hours taken from In-Course Honors. This is an opportunity for extended research in a field of special interest, resulting in a paper and oral defense before an examining committee comprised of the Honors Committee and faculty members chosen jointly by the student and the thesis adviser. A detailed proposal of research must be submitted in six copies to the Honors Committee for approval by April 20 of the student's junior year. The student will appear before the committee shortly after submitting this proposal to discuss the project with committee members, if necessary. Final approval of the proposal or suggested changes will be made at this meeting. No grade will be assigned for Honors 490 until Honors 491 has been completed. The thesis must be submitted to the committee in triplicate upon completion in Term II. The student will appear before the committee for an oral defense of the thesis. The grade is determined by the Honors Committee, the adviser of the thesis, and the chairperson of the department in which the work is done. The phrase "With Honors Thesis" is printed on the diploma of a student who successfully completes these two courses.

Interdisciplinary Issues

200 Study Tours

1, 2, 3 Hrs.

Study tours led by Queens College Faculty. May involve lecture and readings in preparation for the tours. May be repeated for credit. Grading is pass/fail.

300 Interdisciplinary Studies

3 Hrs.

An interdisciplinary course examining a major contemporary issue, offered in response to student and faculty interest. Credit as elective only.

Prerequisite: Junior or senior status or permission of the instructor.

Internship

205 Exploratory Internship

1, 2, 3 Hrs.

The purpose of the internship is to provide students with the opportunity to explore various career options through first hand experiences in job settings. Students will be supervised by persons actually employed in the given areas as well as by a faculty member. The grading is Pass/Fail. The course may be repeated for a total of six hours credit. Guidelines are available in the Office of the College of Arts and Sciences.

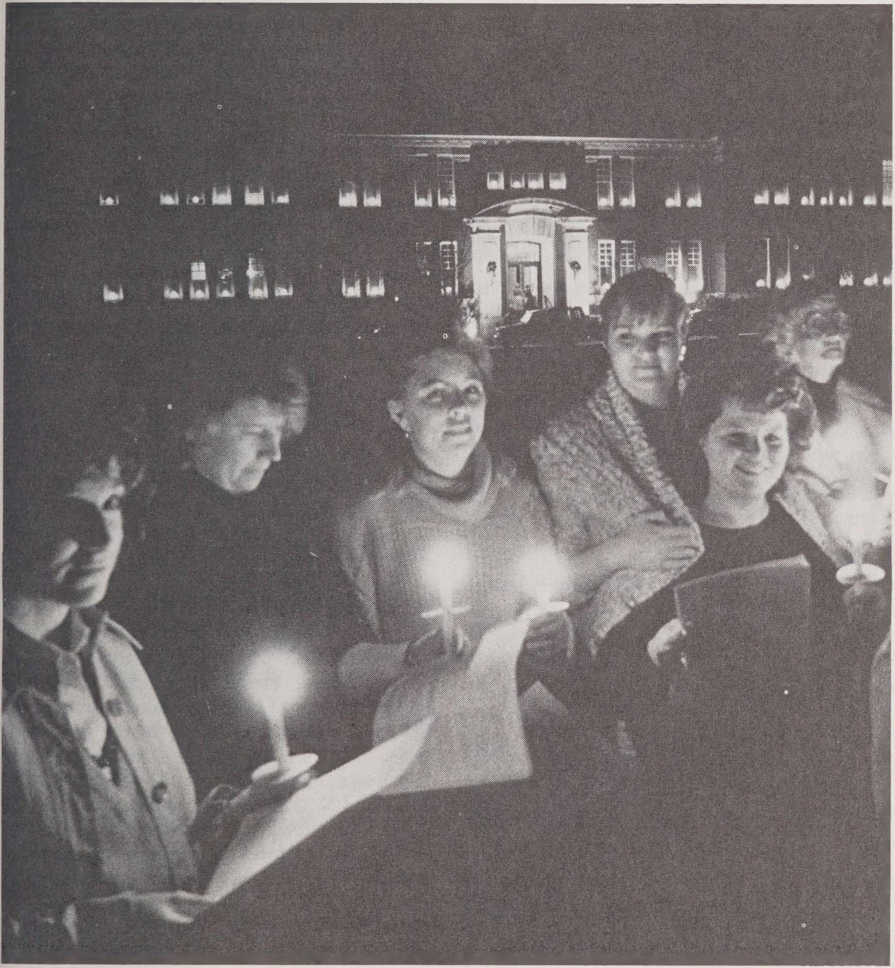
Prerequisite: Degree candidate status with successful completion of 12 credit hours at Queens College; permission of faculty member in area of interest and of the student's major adviser.

Senior Thesis

450 Interdisciplinary Senior Thesis.

3 Hrs.

Designed primarily for students who are engaged in interdisciplinary study at the advanced level. The project is supervised and evaluated by the student's major adviser and at least one person from another department. Open only to seniors. Students pursuing an honors degree should plan to take Honors 490 instead of Interdisciplinary Thesis 450.



Division of Natural Science and Mathematics

Jack H. Fehon, *Chairman*
Dana Professor of Biology

Richard H. Ault
Assistant Professor Mathematics and Computer Science

Florapearl Cobey
Associate Professor of Chemistry

Michael Hammond
Lecturer in Algebra

Rebecca C. Jann
Professor of Biology

Virginia L. Martin
Professor of Biology

Jeffrey A. Nystrom
Assistant Professor Chemistry

Jimmie C. Oates
Professor of Physics

Joan Quinn
Assistant Professor of Mathematics

Barbara L. Thacker
Assistant Professor of Mathematics and Computer Science

Robert L. Vogel
Associate Professor of Mathematics

Yolanda Yoder
Assistant Professor of Mathematics and Computer Science

Biology

To serve the needs of the liberal arts student the department offers introductory work in biology with a contemporary molecular emphasis relating the field to the physical sciences and other disciplines.

Careers

Major study in biology provides basic preparation leading to work in research and medical laboratories, government positions, related businesses, teaching, and graduate study in biology, medicine, hospital administration or veterinary science.

A unique program in marine science is offered each summer at Pawleys Island, South Carolina.

TEACHER CERTIFICATION. Students majoring in biology may earn certification to teach on the secondary level (grades 9-12). Refer to the Education Department section of the *Bulletin* for specific requirements.

Biology Internship

Students may gain practical experience in various fields of biological science during their junior and senior year. Details of this program may be obtained from the department chairman.

Bachelor of Arts

Requirements for the major: Biology 101, 102, 103, 402, 402L, 497, 498, and 20 credit hours from biology courses numbered 200 and above as approved by the major adviser. Students majoring in biology are required to take Chemistry 111 and 112, and 2 courses from Mathematics 101, 105, 113, 114, or 206. Chemistry 404 may be substituted for biology electives. Candidates for teaching certificates may substitute up to four credit hours of Education 442 for biology electives. Students majoring in biology are advised to take physics and organic chemistry.

Bachelor of Science

Requirements for the major: Biology 101, 102, 103, 402, 402L, 497, 498, and at least three courses from 201, 301, 302, 304, 310, 405; at least one course from 207, 300, 315, 401; and six hours of biology courses numbered 200 and above as approved by the major adviser. Students majoring in this program are required to take Chemistry 111, 112, 303, 304; Physics 101, 102; Mathematics 113 and 114 or 206. In addition, successful completion of one course of foreign language at the intermediate level is required, that is, completion of 201 or 202.

Minor

A minor in biology consists of Biology 101, 102, 103, and eight hours of approved biology electives.

Distributed Requirements

The requirement for Area IV is met with Biology 101, 102, 103.

Prerequisite

Biology 103 is prerequisite to all courses numbered 200 and above.

101 Plant Biology

4 Hrs.

Morphological survey of the plant kingdom; study of life cycles emphasizing evolutionary changes; consideration of economic aspects.

Three hours lecture and three hours laboratory a week.

No prerequisite.

Lab fee $25 (Included in Comprehensive Fee).

102 Animal Biology

4 Hrs.

Survey of the animal kingdom; study of the organization and activities of animals with emphasis on man; and evolution of animal life.

Three hours lecture and three hours laboratory a week.

No prerequisite.

Lab fee $25 (Included in Comprehensive Fee).

103 Principles of Biology

4 Hrs.

An introduction to the principles underlying the activities of living organisms; cell structure and function; heredity; evolution; ecology; laboratory emphasizes the scientific method.

Three hours lecture and three hours laboratory a week.

Prerequisite: High school chemistry or Chemistry 101 or 111.

Lab fee $25 (Included in Comprehensive Fee).

111 Human Anatomy

3 Hrs.

A study of the structure of the human body.

111-L Human Anatomy Laboratory

1 Hr.

Study of human osteology; dissection of the cat and other animals.

Lab fee $25 (Included in Comprehensive Fee).

(111 and 111-L may not be counted toward major or as Distributed Requirement except for students in Music Therapy).

112 Human Physiology

4 Hrs.

A study of the function of the human body.

Laboratory study designed to demonstrate basic physiological principles.

Three hours lecture and three hours laboratory a week.

Lab fee $25 (Included in Comprehensive Fee).

(May not be counted toward major or as Distributed Requirement.)

120 Introduction to Medical Microbiology

4 Hrs.

Principles of microbiology with emphasis on the pathogenic bacteria, viruses, rickettsiae, and fungi. Laboratory includes methods for cultivation, isolation, and identification of the above.

Three hours lecture and three hours laboratory a week.

Lab fee $25 (Included in Comprehensive Fee).

(May not be counted toward a major or as Distributed Requirement.)

201 Invertebrate Zoology

4 Hrs.

Study of the invertebrate phyla; comparative anatomy and physiology; natural history; systematics and evolution. Laboratory includes physiological experiments and emphasizes marine forms.

Three hours lecture and three hours laboratory a week.

Prerequisite: Biology 102.

Lab fee $25 (Included in Comprehensive Fee).

207 Introduction to Microbiology

4 Hrs.

General survey of microorganisms with emphasis on morphology metabolism, ecology, and identification of bacteria. Laboratory emphasizes basic skills and sterile techniques.

Three hours lecture and three hours laboratory a week.

Prerequisite or Corequisite: Chemistry 112.

Lab fee $25 (Included in Comprehensive Fee).

230 Field Studies in Biology

1-4 Hrs.

Includes studies in selected habitats or of particular groups of animals or plants, or travel-study to unusual habitats or ecosystems.

Topics are announced annually.

Prerequisite: Permission of the instructor. May be repeated under different subtitles, or by permission .

300 Cell Biology

4 Hrs.

Study of cell structure and physiology. Laboratory emphasizes research methods including instruments and techniques used in studying cells.

Three hours lecture and three hours laboratory a week.

Prerequisite: At least one year of college chemistry; Biology 101 and 102 recommended.

Lab fee $25 (Included in Comprehensive Fee).

301 Vertebrate Embryology

4 Hrs.

Study of development with emphasis on vertebrates and a brief introduction to experimental embryology. Laboratory emphasizes amphibians and birds.

Three hours lecture and three hours laboratory a week.

Prerequisite: Biology 102.

Lab fee $25 (Included in Comprehensive Fee).

302 Comparative Vertebrate Anatomy

4 Hrs.

Review of the evolutionary history of vertebrates with comparative study of their systems. Laboratory dissection of dogfish, mud puppy, and cat.

Prerequisite: Biology 102.

Three hours lecture and three hours laboratory a week.

Lab fee $25 (Included in Comprehensive Fee).

304 Ecology

4 Hrs.

Relationship of organisms to their environment; populations and communities; aquatic and terrestrial habitats; statistical methods. Laboratory includes both experimental and field studies.

Three hours lecture and three hours laboratory a week.

Prerequisite: Biology 101 and 102.

Lab fee $25 (Included in Comprehensive Fee).

309, 310 Marine Biology

1, 3 Hrs.

Introduction to oceanography and marine biology with emphasis on ecology and distribution and classification of local fauna and flora.

Biology 309 introduces students to marine science and prepares them for the field portion of the course. Biology 309 may not count toward the major without 310.

Prerequisite: Biology 102 is prerequisite or corequisite to 309. Biology 309 is prerequisite to 310.

Biology 309 is offered in Term II. Biology 310 meets for three weeks during the summer session at Pawleys Island, SC.

315 Histology and Microtechnique

4 Hrs.

The study of animal cells, tissues, and organs. Laboratory emphasizes practical experience in preparation of microscope slides.

Prerequisite: Biology 102.

Lab fee $25 (Included in Comprehensive Fee).

380 Research Participation

3 Hrs.

An introduction to biological research by participation in research with faculty. Students will conduct individual investigations, and present the results of their work at the end of the term.

Prerequisite: Permission of the instructor.

(May not be counted toward Distributed Requirement.)

390, 391 Laboratory Assistant in Biology

0 Hrs., 1 Hr.

Practical experience as a laboratory assistant in the department.May be repeated once for credit. Grading is P/NR.

Prerequisite: 12 hours of biology with a grade of B or better and permission of the department.

401 Comparative Physiology

4 Hrs.

Study of the function of vertebrate systems. Comparisons made to invertebrate systems where appropriate. Includes lecture and laboratory experimentation.

Three hours lecture and three hours laboratory a week.

Prerequisite: Biology 302 or permission of the instructor, one year college chemistry.

Lab fee $25 (Included in Comprehensive Fee).

402 Genetics

3 Hrs.

Principles of heredity and variation in plants and animals.

Prerequisite: Mathematics 101, 113 or permission of the instructor. Does not count toward major without Biology 402L.

Three hours lecture a week.

402L Genetics Laboratory

1 Hr.

Laboratory methods in breeding genetically important species.

Three hours laboratory a week.

Corequisite: Biology 402.

Lab fee $25 (Included in Comprehensive Fee).

405 Plant Systematics

4 Hrs.

Development of systems of classification; study of basic principles; practice in identification; collection and study of members of plant families represented in local flora.

Three hours lecture and three hours laboratory a week.

Prerequisite: Biology 101.

Lab fee $25 (Included in Comprehensive Fee).

430 Topics in Biology

1, 2, 3, 4 Hrs.

This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles.

Prerequisite: One year of college biology. May vary with topic.Lecture and laboratory hours vary with the hours credit and the course taught.

450 Independent Studies in Biology

1, 2, 3, 4 Hrs.

Research projects in the area of the student's interest; written report and/or oral examination may be required; summer research in marine biology. May be taken more than once but total credits may not exceed six hours.

Admission by permission of the instructor.

460 Biology Seminar

1 Hr.

Invited guests, faculty and students present oral reports on topics of their specific interest and experience in biology and related fields.

Prerequisite: 8 hours of biology above the 100 level or permission of the instructor. May be repeated for credit.

One hour per week lecture, or discussion.

490 Biology Professional Internship

1, 2, 3, Hrs.

Practical experience under supervision in the field of biological science.

Prerequisite: At least 24 credits in biology and permission of the department.

497 Advanced General Biology I

2 Hrs.

A restudy and systhesis of structure and function in plants, animals, and microorganisms.

Prerequisite: 24 hours in biology courses and permission of the instructor.

498 Advanced General Biology II

2 Hrs.

A restudy and synthesis of basic principles of population genetics, evolution, and ecology.

Prerequisites: Biology 497 and permission of the instructor.

Marine Biology Program

The department of biology offers a three-week summer session in marine biology at Pawleys Island, South Carolina. Students must complete Biology 309 before attending the summer session. Advanced students may undertake independent studies in the marine field.

Chemistry

The Bachelor of Arts program emphasizes the breadth of liberal arts study in terms of a wide range of elective courses together with a sound education in chemical principles and laboratory skills. Teacher certification may be obtained in the B.A. program.

The Bachelor of Science program is designed to provide an educational experience with more depth in science and mathematics. Students are prepared by this program to go into industry or to pursue careers in chemistry and medicine requiring graduate study or formal professional training in medical school. Well-equipped laboratories and qualified staff make possible a special emphasis on clinical and industrial applications of chemistry.

Careers

Students planning to pursue careers in science and medically related fields should take courses in chemistry. These careers include chemistry, biochemistry, biology, forensic science, medicine, nursing, laboratory technology, medical technology, dental technology, physical therapy, and veterinary medicine.

TEACHER CERTIFICATION. Students majoring in biochemistry may earn certification to teach on the secondary level (grades 9-12). Refer to the Education Department section of the *Bulletin* for specific requirements.

Bachelor of Arts in Biochemistry

Requirements for the major: Chemistry 111, 112, 303, 304, 306, 308, 403, 404, 405, and the accompanying laboratories; 12 credit hours of approved biology courses above the 100 level; Mathematics 113; Physics 101, 102. Computer Science 101; Mathematics 114; and a foreign language are recommended.

Bachelor of Science in Biochemistry

Requirements for the major: Chemistry 111, 112, 303, 304, 306, 307, 308, 403, 404 and the accompanying laboratories; 12 credit hours of approved biology courses above the 100 level; Computer Science 101, 201; Mathematics 113, 114; Physics 101, 102. Successful completion of one course of foreign language at the intermediate level is required; that is, completion of 201 or 202. Chemistry 390, 391, and 450 are recommended.

Minor

A minor in chemistry requires completion of any three courses in chemistry beyond the 100 level.

A minor in biochemistry requires completion of Chemistry 303, 304, 403, and 404.

Distributed Requirements

Chemistry 101, 102 or 111, 112 or Chemistry 303 by permission of department. Credit may not be earned for both 101, 102, and 111, 112.

Laboratories

The department requires a student to register for a laboratory with each class course below Chemistry 405.

101 General Chemistry I

3 Hrs.

This course includes the structure of the atom; the structure of the nucleus and nuclear chemistry; the Periodic Table; chemical bonding; solids,liquids, and gases; and stoichiometric relationships, the properties of solutions, colloidal systems, chemical equilibria, and hydrocarbons.

Three hours lecture a week. Designed primarily for non-science majors.

102 General Chemistry II

3 Hrs.

This course is an introduction to organic chemistry and biochemistry, including functional groups, reactions, and systhesis.

Prerequisite: Chemistry 101 or permission of the instructor.

Three hours lecture a week. Designed primarily for non-science majors.

111 Chemical Principles I

3 Hrs.

The study of atomic and molecular structure, electro-negativity, the relationships of the Periodic Table, covalent, ionic, and metallic bonding, molecular orbitals, enthalpy and entropy.

Three hours lecture a week. Designed primarily for science majors.

112 Chemical Principles II

3 Hrs.

The study of chemical equilibria, reaction rates, free energy, electro-chemistry, acids, bases and pH, and an introduction to carbon chemistry.

Prerequisite: Chemistry 111 or its equivalent.

Three hours lecture a week. Designed primarily for science majors.

303 Organic Chemistry I

3 Hrs.

Introductory course including an integrated survey of the more important compounds of the aliphatic and aromatic series; emphasis on problems in organic systhesis.

Prerequisite: Chemistry 112 or permission of the instructor.

Three hours lecture a week.

304 Organic Chemistry II

3 Hrs.

Theoretical course treating the mechanisms of organic reactions in terms of modern structural theories.

Prerequisite: Chemistry 303 or permission of the instructor.

Three hours lecture a week.

306 Instrumental Analysis I

3 Hrs.

Introduction to instrumentation and instrumental analysis with emphasis on fundamental electronic units, instrument design and construction and analytical application.

Prerequisite: Chemistry 112 or permission of the instructor.

Three hours lecture a week.

307 Instrumental Analysis II

3 Hrs.

A second course in instrumental analysis with emphasis on analytical methodology.

Prerequisite: Chemistry 306.

Three hours lecture a week.

308 Physical Chemistry

Alternate years—3 Hrs.

Study of the structure of gases, the physical properties of matter, the laws of thermodynamics and the principles of equilibria.

Prerequisites: Chemistry 112, Physics 101, Mathematics 113, 114 (or permission of the instructor).

Three hours lecture a week.

390, 391 Laboratory Assistant in Chemistry

0 Hrs., 1 Hr.

Practical experience as a laboratory assistant in the department. Chemistry 391 may be repeated once for credit. Grading is P/NR.

Prerequisites: 12 hours of chemistry with a grade of B or better and permission of the department.

403 Biochemistry I

3 Hrs.

Study of the chemistry of carbohydrates, lipids, proteins, and nucleic acids; pH and buffers.

Prerequisite: Chemistry 304.

Three hours lecture a week.

404 Biochemistry II

3 Hrs.

Study of the metabolism of biomolecules; each student investigates and reports on a special topic in biochemical research.

Prerequisite: Chemistry 403, Biology 300 or permission of the instructor.

Three hours lecture a week.

405 Physiological Chemistry

3 Hrs.

A course applying principles of biochemistry to the interpretation of normal and abnormal genetic and physiological states occuring in Mammalia; discussion of digestive processes, fluid and acid-base balance, hormonal influence on physiological states, and excretory processes.

Prerequisite: Chemistry 404 or permission of the instructor.

Three hours lecture a week.

430 Topics in Chemistry

1, 2, 3, 4 Hrs.

This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles.

Prerequisite: One year of college chemistry. May vary with topic.

450 Directed Individual Studies

2, 3, 4 Hrs.

Individual research conducted by the student.

Prerequisite: Open to advanced students by permission of the instructor.

Three, six or nine hours of consultation and laboratory work a week.

490 Chemistry Professional Internship

1, 2, 3 Hrs.

Practical experience in the field of chemistry or biochemistry.

Prerequisites: 24 hours in chemistry courses and permission of the department.

Chemistry Laboratories

Laboratory 101L — Introduction I

1 Hr.

This laboratory introduces the student to elementary glass-working, general laboratory equipment and techniques, the principles of quantitative operations, and qualitative analysis.

Three hours laboratory a week. Lab fee $25 (Included in Comprehensive Fee).

Laboratory 102L — Introduction II

1 Hr.

The student in this laboratory is introduced to semimicro techniques, chromatography, elementary organic and biochemical techniques.

Prerequisite: Laboratory 101L, or permission of the department.

Three hours laboratory a week. Lab fee $25 (Included in Comprehensive Fee).

Laboratory 111L — Introduction III

1 Hr.

This laboratory introduces students to general laboratory equipment and techniques, and the principles of gravimetric analysis.

Lab fee $25 (Included in Comprehensive Fee).

Laboratory 112L — Introduction IV

1 Hr.

This laboratory introduces buffers, colligative properties, semimicro techniques, volumetric and qualitative analysis.

Lab fee $25 (Included in Comprehensive Fee).

Laboratory 303L — Synthesis I

1 Hr.

Course introduces the student to the basic experimental techniques of chemical synthesis of organic compounds.

Prerequisite: Laboratory 112L.

Three hours laboratory a week. Lab fee $25 (Included in Comprehensive Fee).

Laboratory 304L — Synthesis II

1 Hr.

A continuation of Laboratory 303L and the introduction of the student to organic qualitative analysis.

Prerequisite: Laboratory 303L.

Three hours laboratory a week. Lab fee $25 (Included in Comprehensive Fee).

Laboratory 306L — Instrumentation I

1 Hr.

The student is introduced to the practical aspects of instrument design and construction and to the calculations and techniques of quantitative analysis.

Prerequisite: Laboratory 112L or permission of the instructor.

Three hours laboratory a week. Lab fee $25 (Included in Comprehensive Fee).

Laboratory 307L — Instrumentation II

1 Hr.

The student undertakes the practical evaluation of experimental methods and instruments best suited for specific advanced analytical problems.

Prerequisite: Laboratory 306L.

Three hours laboratory a week.Lab fee $25 (Included in Comprehensive Fee).

Laboratory 308L — Physical Chemistry

1 Hr.

The student is introduced to the basic devices for precise physical and chemical measurements.

Prerequisite: Laboratory 307L or permission of the instructor.

Three hours laboratory a week. Lab fee $25 (Included in Comprehensive Fee).

Laboratory 403L — Biochemistry I

1 Hr.

Basic principles and techniques of biochemistry laboratory investigation introduced; work is quantitative in nature.

Prerequisite: Laboratory 304L or permission of the instructor.

Three hours laboratory a week. Lab fee $25 (Included in Comprehensive Fee).

Laboratory 404L — Biochemistry II

1 Hr.

Course is a continuation of Laboratory 403L with special emphasis given to advanced biochemical methodology and to quantitative measurement.

Prerequisite: Laboratory 403L.

Three hours laboratory a week. Lab fee $25 (Included in Comprehensive Fee).

Computer Science

Careers

Major study in computer science provides basic preparations leading to computer-related work in business and industry, research and consulting, teaching, and graduate study in computer science.

Computer Center

Queens has a computer center with an on-campus DEC VAX-11/750 central computer and several micro-computers manufactured by DEC, IBM, and Apple Corp. The central computer is equipped with 450 million characters of online disk storage, twenty-four terminals and a high-speed 600-line per minute printer and a medium-speed letter-quality printer. In addition, Queens maintains a link with an IBM 3081 and several minicomputers.

Bachelor of Science

Requirements for the major: Computer Science 101, 201, 305, 330, 350, 360 and 360L, 410, 430; three courses elected from the 300-400 level. Students majoring in this program are required to take Mathematics 113, 114, 209, 213, 303, 306, 409 and Physics 101, 102.

Minor

A minor in computer science consists of Computer Science 101, 201, 212 or 350, 305, 330, and three additional computer science courses at the 200 level or above.

Distributed Requirements

The requirement for Areas VII is met by Computer Science 100 or 101.

100 Computer Concepts and Applications

2 Hrs.

A survey of the history of computers, the computer system, uses and effects of the computer in society; and how to operate and use the computers at Queens.

101 Computer Programming I

3 Hrs.

Introduction to use of computer as a problem-solving tool. PASCAL is the current implementation language used. Topics to be covered are computer organization, programming language details and programming techniques,and algorithm development.

No credit will be given for Computer Science 100, Computer Concepts and Applications, if a student has already received a credit for Computer Science 101. Students wishing to receive credit for both Computer Science 100 and 101 should take Computer Science 100 first.

Prerequisite: A passing grade on the mathematics proficiency test or permission of the instructor.

201 Computer Programming II

3 Hrs.

Continue to develop the discipline of computers as a problem-solving tool. PASCAL is the current implementation language used. Topics to be covered are structured programming concepts, debugging and testing, string processing,internal searching/sorting, and simple data structures.

Prerequisite: Computer Science 101.

212 Introduction to Business Information Processing

3 Hrs.

Basic principles of business information processing and programming using COBOL or PL/I. Business case studies are designed to give one experience in both sequential and random access of files.

Prerequisite: Computer Science 101.

305 Introduction to File Processing

3 Hrs.

Emphasis will be given to basic concepts and techniques of structuring data on bulk storage devices, sequential and random access files, and algorithms and techniques of file manipulation.

Prerequisite: Computer Science 330; or Computer Science 201 and permission of the instructor.

326 Systems Analysis, Design, and Implementation

3 Hrs.

Developing systems to meet needs of an organization, training managers in design capabilities and limitations of information systems, beginning training for professional systems analysts, providing techniques for facilitating implementation process.

Prerequisite: Computer Science 201 or 212.

330 Data Structures

3 Hrs.

Review of primitive data representation, logic, elementary searching and sorting; data structures; arrays, linearly linked and multilinked lists, stacks, queues, graphs, binary trees; processing data structures, internal and external sorting, merging and searching; storage allocation, garbage collection and compaction.

Prerequisite: Computer Science 201.

350 Introduction to Computer Systems

3 Hrs.

Objectives are to provide basic concepts of computer systems, introduce computer architecture,and to teach an assembly language. Topics to be discussed are computer structure,number representation and arithmetic, machine language, addressing techniques, macros, file I/O, program segmentation and linkage, and assembler construction.

Prerequisite: Computer Science 201.

360 Introduction to Computer Organization

3 Hrs.

Provides an understanding of physical components used in computer hardware. Topics to be discussed are basic logic design and computer architecture and continuing the areas of coding and number representation and arithmetic. Study of the architecture of a microcomputer.

Prerequisite: Computer Science 350.

360L Introduction to Computer Organization Laboratory

1 Hr.

Introduction to fundamental components of a computer starting with simple digital circuitry and building more complex circuitry.

Three laboratory hours per week. Computer Science 360L must be taken at the same time as Computer Science 360.

Prerequisite or *Corequisite:* Physics 102.

Corequisite: Computer Science 360.

380 Database Management Systems

3 Hrs.

An introduction to systems and procedures for managing large computerized databases. Relational (system R), hierarchical (IMS), and network (DBGT) database designs will be discussed, as well as normalization techniques and the three schema architecture. Database languages studies will be SQL, QBE, relational algebra and relational calculus.

Prerequisite: Computer Science 330.

Prerequisite or Corequisite: Computer Science 305.

410 Comparative Languages

3 Hrs.

Introduction to formal language and automatic concepts; review of basic data types and structures; control structures and data flow; implementation of these in several languages. (APL, ALGOL, SNOBOL4, PL/I, LISP)

Prerequisite: Computer Science 330.

430 Operating Systems

3 Hrs.

Introduction to the role of software organization in general computer systems. Problems, techniques, and concepts in multiaccess, multiprogram, and multiprocess systems.

Prerequisite: Computer Science 330.

Prerequisite or *Corequisite:* Computer Science 360 and 360L.

440 Analysis of Algorithms

3 Hrs.

Methods of analyzing the correctness and efficiency of algorithms.

Prerequisites: Mathematics 114 and 209; Computer Science 330.

450 Independent Studies in Computer Science

1, 2, 3, 4 Hrs.

Research projects in the area of the student's interest; written report will be required.May be taken more than once but total credits may not exceed four hours.

Prerequisite: Open to advanced students by permission of the instructor.

460 Systems Simulation

3 Hrs.

Introduction to simulation and comparison with other techniques. Discrete models and queuing theory. Introduction to SIMSCRIPT as a simulation language.

Prerequisites: Computer Science 330 and Mathematics 306.

470 Topics in Computer Science

1, 2, 3, 4 Hrs.

This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles.

Prerequisite: One year of college computer science. May vary with topic. Lecture and laboratory hours vary with the hours credit and the course taught.

490 Computer Science Professional Internship

1, 2, 3, Hrs.

Practical experience under supervision in the field of computer science.

Prerequisites: At least 21 hours in computer science and permission of the department.

Mathematics

It is the nature of mathematics to examine concepts from nearly all areas of thought using a uniquely abstract and deductive approach. Although mathematical investigation often involves the use of expressions which represent numbers, many of the discoveries of the discipline extend beyond the quantitative.

Mathematics Proficiency

As part of the Queens Concept, all students are expected to demonstrate proficiency in basic mathematics by passing a test to be administered by the Mathematics Department at announced times during the first and last weeks of the fall and spring semesters and the summer session. It is recommended that this be completed by the end of the sophomore year; in any case, it must be successfully completed before graduation. Students must pass this test before enrolling in any mathematics course for credit. Special non-credit mathematics courses are offered each semester to help those not passing the proficiency test.

Careers

The Department of Mathematics offers courses which reflect the general nature of mathematics. The student majoring in mathematics can choose a program which provides preparation for teaching at the secondary school level,continuing the study of mathematics in graduate school, or pursuing the many opportunities in interdisciplinary areas such as sociology, psychology, and biology. The student majoring in Applied Mathematics will be enrolled in a program that provides preparation for continuing the study of mathematics in graduate school or pursuing the many career opportunities in applied mathematics, such as operations research, statistics, or actuarial science. In addition, a rigorous training in mathematics or applied mathematics is excellent intellectual training for a wide variety of careers.

TEACHER CERTIFICATION. Students majoring in mathematics may earn certification to teach on the secondary level (grades 9-12). Refer to the Education Department section of the *Bulletin* for specific requirements.

Bachelor of Science

Mathematics

Requirements for the major: Mathematics 113, 114, 213, 214, 303, 401, 415; 304 or 307; one course from 306, 405, 409; and three mathematics courses numbered 209 or above (may substitute two computer science courses for two mathematics courses). Also required are Computer Science 101 or 201; Physics 101 and 102; any two courses in lab science other than physics; and successful completion of a course of foreign language at the intermediate level; that is, completion of 201.

Applied Mathematics

Requirements for the major: Mathematics 113, 114, 209, 213, 214, 303, 306, 308, 311, 403, 405, 409; Computer Science 101, 201, 330, 460; two sequential semesters of science from Biology, Chemistry, or Physics.

Bachelor of Arts

Requirements for the major: Mathematics 113,114, 213, 214, 303, 401, 415; 304 or 307; one course from the following: 306, 405, 409; and any other mathematics course numbered 209 or above; Computer Science 101 or 201. Physics 101 and 102 are strongly recommended.

A minor in mathematics consists of Mathematics 113, 114, 213, a three-hour course numbered 200 or above, and two additional three-hour courses numbered 300 or above.

Distributed Requirements

Any three-hour course numbered 101 or above except Mathematics 204 can be used to satisfy the Distributed Requirements for Area II. Mathematics 204 satisfies a Distributed Requirement in Area II for early childhood or intermediate education majors, if taken with any three-hour course numbered 101 or above.

99 Basic Mathematics

0 Hrs.

A review course for improving mathematics skills.

101 College Algebra and Trigonometry

3 Hrs.

Sets; equations and inequalities; relations, functions and their graphs; trigonometric functions.

105 Finite Mathematics

3 Hrs.

Systems of equations, matrices, and an introduction to linear programming. Introduction to probability and statistics.

113 Calculus I

3 Hrs.

An integrated treatment of analytic geometry and limits, continuity of functions, introduction to differentiation with applications to extreme value and curve sketching.

Prerequisite: Mathematics 101 or equivalent.

114 Calculus II

3 Hrs.

Continuation of basic integration with applications, elementary transcendental functions, techniques of integration (of functions of one variable).

Prerequisite: Mathematics 113.

204 Mathematics for Teachers

3 Hrs.

Designed for students seeking teacher certification. Sets logic; enumeration conversions; the real number system, metric geometry, problem solving,and calculators and computers in the classroom are considered.

206 Statistical Methods

3 Hrs.

Introduction to the concept of statistical inference with emphasis on applications using the normal, t, chi-square, and F distributions. Primarily for persons concentrating in the behavioral or social sciences.

Prerequisite: Mathematics 101 or 105 or 113.

209 Discrete Structures

3 Hrs.

A study of discrete structures with applications from computer science. Topics to be introduced are types and properties of relations, functions, lattices and Boolean algebras, trees, languages and grammar, basic theory of semigroup and groups, and finite state machines.

Prerequisites: Computer Science 101 and Mathematics 101 or 105 or equivalent.

213 Calculus III

3 Hrs.

Vector algebra, curves and vectors in the plane and in three dimensions, solid analytical geometry, polar, and spherical coordinates, Taylor's theorem, L'Hopital's rule, improper integrals and infinite series.

Prerequisite: Mathematics 114.

214 Calculus IV

3 Hrs.

Maxima and minima with two or three variables, multiple integrals, line integrals, Green's theorem, Stoke's theorem, differential equations.

Prerequisite: Mathematics 213.

250 Mathematics Professional Internship

3 Hrs.

A student will work with a local firm under the joint supervision of a representative of the firm and a member of the Mathematics Department. The work will usually require a background in computing (such as supplied by Computer Science 101) or in elementary statistics (Mathematics 206). Grading is Pass/Fail. Admission by permission of the department.

303 Linear Algebra

3 Hrs.

Coordinate geometry, vectors and three-dimensional geometry, matrices and determinants,linear transformations.

Prerequisite: Mathematics 213.

304 Geometry

3 Hrs.

Modern approach to the study of Euclidean and non-Euclidean geometries, including incidence and affine geometries; designed especially for students preparing to teach.

306 Statistical Inference

3 Hrs.

Study of the relation of sample to population with the consideration of statistical problems such as testing of hypotheses, estimation, and experimental design.

Prerequisite: Mathematics 114.

307 Introduction to Topology

3 Hrs.

An examination of continuity, connectedness and compactness.

Prerequisite: Mathematics 213.

308 Applied Linear Regression Models

3 Hrs.

This course is designed to give the students a comprehensive understanding of both the underlying theory and practical applications of linear regression models. Students will be required to analyze data sets with the aid of existing computer facilities and software.

Prerequisites: Mathematics 206 or Mathematics 306.

311 Differential Equations

3 Hrs.

This course is designed to introduce the student to differential equations and their applications. In addition to studying the theoretical aspects of differential equations, students will also examine numerical methods and solutions with the use of the existing computer facilities and software.

Prerequisite: Mathematics 214.

401 Modern Algebra

3 Hrs.

Presentation of the theory of integral domains, fields, groups, rings, vector spaces, matrices, and other selected topics.

Prerequisite: Mathematics 213; Mathematics 303 is strongly recommended.

403 Introduction to Operations Research

3 Hrs.

This course is designed to introduce students to the fundamental ideas and methods of operations research and provide them with enough understanding and confidence to appreciate the strengths and limitations of operations research.

Prerequisites: Mathematics 214, 303, and 306.

405 Introduction to Probability and Mathematics Statistics

3 Hrs.

Introductory study of probability as a mathematical system, random variables and distribution functions; mathematical models; testing hypotheses; estimation of parameters.

Prerequisite: Mathematics 114.

409 Numerical Analysis

3 Hrs.

Roots of algebraic and transcendental equations; differential calculus and interpolation; matrix inversion and eigenvalue problems for differential equations.

Prerequisites: Mathematics 213 and 303.

415 Introduction to Real Variable Theory

3 Hrs.

The real numbers; set theory; metric spaces; Euclidean spaces; uniform continuity; series of functions; the Riemann-Stieltjes integral.

Prerequisite: Mathematics 214.

425 Mathematics Seminar

3 Hrs.

Seminar in advanced topics of mathematics. Open to seniors in the Mathematics Department with permission of the instructor.

Prerequisite: Mathematics 213.

430 Topics in Mathematics

1, 2, 3, 4 Hrs.

This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles.

Prerequisite: One year of college mathematics. May vary with topic. Lecture hours vary with the hours credit and the course taught.

449 Directed Readings

1, 2, 3 Hrs.

Faculty-supervised reading of a department-approved bibliography. Results to be reviewed at a weekly tutorial. Concluding oral review by department. May be repeated for credit.

Prerequisite: Open to advanced students with permission of the instructor.

450 Independent Studies in Mathematics

1, 2, 3 Hrs.

Research projects in the area of the students' interest; written report will be required. May be repeated for credit.

Prerequisite: Open to advanced students with permission of the instructor.

490 Mathematics Professional Internship

1, 2, 3 Hrs.

Practical experience under supervision in the field of mathematics.

Prerequisite: 24 semester hours in mathematics courses and permission of the department.

Medical Technology

The Bachelor of Science degree with a major in medical technology will be granted upon successful completion of 92 credit hours of approved college work and certification in medical laboratory technology from any hospital accredited by the American Society of Clinical Pathology and approved by the college. In order to enter an A.S.C.P. approved school, minimum requirements must be met: at lest 92 credit hours of college work giving a comprehensive general education and including English, social sciences, art and humanities. In addition,the minimum science and mathematics requirements are: 16 credit hours of chemistry, 16 credit hours of biology, and three credit hours of mathematics. All Queens College degree requirements must be met. A minimum of 36 hours of courses numbered 300 and above is required. Thirty credit hours are assigned to courses carried in the school of medical technology; these constitute the major. All of these 30 credit hours shall be considered equivalent to 300-400 level courses.

Radiologic Technology

The Bachelor of Science degree with a major in radiologic technology will be granted upon successful completion of 92 credit hours of approved college work and certification in radiologic technology from any hospital school accredited by the American Registry of Radiologic Technologists and approved by the college.

All Queens College degree requirements must be met. A minimum of 36 hours in courses numbered 300 and above is required.Thirty credit hours are assigned to professional courses carried in the school of radiologic technology; these constitute the major. All of these 30 credit hours shall be considered equivalent to 300-400 level courses. A student may not be admitted to candidacy for is degree until certified by the American Registry of Radiologic Technologists.

Physics

Distributed Requirements

Physics 101, 102, or 103 will meet the Area IV Distributed Requirements.

101, 102 General Physics

4 Hrs., 4 Hrs.

Beginning course in physics covering the fundamental principles of mechanics, heat, sound, light, electricity and magnetism, and atomic physics.

Prerequisites: Elementary algebra and plane geometry; Physics 101 is prerequisite to Physics 102.

Three hours lecture and three hours laboratory each week.

103 Physics of Sound

3 Hrs.

An elementary treatment of generation, propagation, and detection of sound; designed primarily for music majors, but should be of interest to anyone with some music background.

Two hours lecture and two hours laboratory each week.

105 Radiologic Physics

January Term—4 Hrs.

Selected topics in mechanics, atomic structure, electricity and magnetism, ionizing radiation, production and properties of x-rays, radiation dosimetry and protection; designed to provide students in a radiologic technology program with a basic understanding of the physical principles involved in the generation and use of x-rays.

Offered during January Term only; four weeks; 10 lecture hours and nine laboratory hours per week.

Students may not receive credit for both physics 102 and Physics 105.

Environmental Science

101, 102 Environmental Science

3 Hrs., 3 Hrs.

A study of the environmental issues confronting our present society; energy, population, pollution, natural resources, food production, materials production, waste disposal, transportation. Certain scientific principles are considered to the extent necessary for a basic understanding of the environmental problems, and some attention is given to the role of science in the development of and attempted solutions to these problems.

Environmental Science 101, 102 will fulfill the Area IV Distributed Requirements.

Prerequisite: Environmental Science 101 or a college-level physical science course is prerequisite to Environmental Science 102.

Two hours lecture, two hours laboratory a week.

Division of Nursing

Carolyn M. Jones, *Chairman*
Professor of Nursing

Patricia A. Cash
Lecturer in Nursing

Lois A. Cook
Instructor of Nursing

Carlene H. Fulk
Assistant Professor of Nursing

Mary Jo Gilmer
Assistant Professor of Nursing

Karen Hauersperger
Lecturer in Nursing

Irene W. Helms
Adjunct Clinical Preceptor

Sherry L. Laurent
Assistant Professor of Nursing

Nursing

The James D. Vail III Bachelor of Science in Nursing Program at Queens College is an NLN accredited four-year baccalaureate degree program which provides opportunities for the development of a professional nurse through courses in the humanities; social, behavioral, and natural sciences; fine arts; and nursing. Nursing content is founded on the Self-Care Deficit Theory of Nursing.

High priority is given to academic excellence and clinical experience. Major emphasis is placed on clinical nursing practice in combination with classroom and laboratory instruction. Selected clinical experiences begin in the second year of the program and progress throughout the program.

Careers

The James D. Vail III Bachelor of Science in Nursing Program at Queens College through the self-care model prepares individuals to assume beginning positions in professional nursing and to undertake graduate study. It creates an atmosphere in which the individual can continue to develop a personal value system and begin to develop a system of professional values. Careers in nursing may include the nursing of children, adolescents, and adults (including the elderly) in community, hospital, and institutional settings.

Major

Formal application to nursing includes completion of an application form and recommendation from a non-nursing college professor. Full acceptance must be obtained prior to enrolling in Nursing 302. Full acceptance may be granted by the Nursing Admissions and Placement Committee after review of the student's physical examination records, and completed prerequisite work, application, and recommendations. The student must have a minimum cumulative GPA of 2.2 and receive at least a "C" in the theory and laboratory components of Biology 103, 111, 111L, 112, 112L, and 120 or 207; Chemistry 101, 101L, 102, 102L; Psychology 201, Sociology 203, and Nursing 201, 202, and 203. Students majoring in this program are required to earn at least a "C" in Nursing 204, 205, 302, 307, 314, 400, 401, 402, 450, 451, 452, and one nursing elective (Nursing 301, 360, or 460). Students are also required to take Psychology 304 and 309; and Math 206.

Policy

Nursing majors are required to fulfill the same Distributed Requirements as those required of all liberal arts candidates at Queens. The requirement for Area II is met by Math 206 and an additional math prerequisite; the requirement for Area IV is met by Chemistry 101 and 102; and the requirement for Area V is met by Psychology 201 and Sociology 203.

Minor

Although a minor in nursing is not offered, selected nursing courses may be taken by non-nursing majors (see course descriptions).

Information for Registered Nurses

The nursing major at Queens College is an open curriculum designed to accommodate the changing career goals and learning needs of those who are enrolled. It recognizes areas of achievement common to the graduates of various types of education programs and is responsive to the needs of students for more flexibility in entering the nursing education system.

The length of the program will depend upon prior academic preparation and upon satisfactory completion of the challenge sequence. For further information, see the special brochure for the baccalaureate registered nurse or contact the office of the Division of Nursing.

Distributed Requirements

Neither exploratory nor professional internships are required of students who successfully complete the first two clinical courses in the nursing major.

200 Nursing as a Practice Discipline: The Self-Care Deficit Theory

4 Hrs.

This is a survey non-clinical course which focuses on the practice discipline of professional nursing within the health care delivery system. The Self-Care Theory of Nursing is explored, and its relationship to the nursing process and health requirements is examined. Conceptualization of the self-care model of nursing practice, self-awareness, communications, and value clarification will be stressed.

Prerequisite: Registered nurse student or permission of instructor.

201 Introduction to Nursing as a Practice Discipline

3 Hrs.

This course introduces students to nursing as a practice discipline through an examination of: the Self-Care Model as a framework for nursing practice; the nursing process as it relates to the SCM and the role/status of the nurse as scholar, practitioner, researcher, and developer of nursing. Guided laboratory experiences in observation, interviewing, and recording data with healthy individuals will be provided. Focus will be on selected USCRs and DSCRs utilizing those interpersonal and social skills and technologies necessary to assess self-care systems of individuals at various stages of the life cycle.

No prerequisite.

Open to all Queens College students.

202 Physical Assessment: Diagnostic Technologies for the Development of Nursing Systems

3 Hrs.

This course focuses on the development of the basic diagnostic technology of assessment as it relates to the nursing process within the SCM. Students will be introduced to the components of physical assessment that will draw heavily upon their preceeding knowledge of gathering subjective data in the preparation of a nursing history. Selected experiences with essentially healthy individuals will be provided to enable students to integrate their knowledge and skill of physical assessment.

Prerequisite: Nursing 201, Biology 111, or permission of instructor.

Open to all Queens College students.

203 Introduction to Designing Nursing Systems

4 Hrs.

This clinical course focuses on the application of selected theoretical knowledge necessary to design nursing systems. Emphasis will be placed on utilization of previous knowledge of the SCM and nursing process, assessment skills, and expansion of the student's knowledge of social, interpersonal, and regulatory technologies. Clinical experiences will be offered in a community hospital and/or a long-term care facility.

Prerequisites: Nursing 201 and 202, or permission of instructor.

Prerequisite/Corequisite: Chemistry 101.

Open to all Queens College students.

204 Pharmacology

2 Hrs.

This basic course deals with classifications, dosages, physiological actions, and responses to medication therapy.

Prerequisites/Corequisites: Chemistry 102, 102L; Biology 112.

Open to all Queens College students.

205 Nutrition

3 Hrs.

Students will study basic nutrition as it relates to health, health assessment, and health maintenance, as well as prevention of nutritional deviations and/or defects. Principles from both the physical and the behavioral sciences will be utilized in the study of the action, interaction and balance of nutrients in food and their relationship to health and altered health states.

Prerequisites/Corequisites: Chemistry 101, 101L.

Open to all Queens College students.

301 Concepts Applied to the Self-Care Deficit Theory of Nursing

3 Hrs.

Students enrolled in this seminar course will begin to describe and operationalize selected concepts which are common to all aspects of the Self-Care Deficit Theory of Nursing. This course lays the foundation for the development of an orderly conceptual system which can be utilized in nursing practice.

Prerequisite: Nursing 200 or 201 or permission of the instructor.

302 Designing Nursing Systems with Individuals with Health Deviations

8 Hrs.

This clinical course examines individual's patterns of responses to illness situations. The designing and implementing of nursing systems with adults experiencing health deviations is emphasized. Clinical practice will be provided in a variety of settings. Nursing oriented to regulation of physiological events is stressed.

Prerequisites: Nursing 203, 204, 205, and full acceptance to major.

Corequisite: Nursing 305.

305 Pathological Processes in Health Deviations

3 Hrs.

This third-year course examines structural and functional deviations or disorders which limit the individual's self-care agency. Disturbances in adaptive-mechanisms as well as in biochemical and physiological regulatory mechanisms, which manifest themselves as pathological processes, are explored.

Prerequisites: Biology 111, 111L, 112, 112L,; Chemistry 101, 101L, 102, 102L.

Open to all Queens College students.

307 Designing Nursing Systems with Individuals with Behavioral Health Deviations

4 Hrs.

This clinical nursing course examines the health-deviation self-care requisites related to selected behavioral health deviations through the life cycle and how these affect the person, the family, and the community. Clinical practice will be provided in an acute-care facility in both in-patient and out-patient areas.

Prerequisite: Nursing 302.

Prerequisite/Corequisite: Psychology 304.

314 Designing Nursing Systems for Childbearing/Childrearing Families

8 Hrs.

This clinical nursing course focuses on the multiperson unit, specifically the childbearing/childrearing family. Meeting the therapeutic self-care demands of the childbearing/childrearing family will be a primary objective. Health deviation self-care requisite relating to selected health problems and their impact on the clients' self-care agency will be explored.

Prerequisites: Nursing 205 and 302.

Prerequisite/Corequisite: Psychology 309.

360 Topics in Nursing

3 Hrs.

This course is designed to investigate a current topic or specialized area of nursing. The topics will be announced annually and will vary from term to term. It provides the student with an opportunity to study a topic that is not offered on a regular basis in the curriculum.

Prerequisite: Permission of instructor.

400 The Scholarly Dimension of Nursing: Research

3 Hrs.

This course focuses on the important components of the research process and those research methodologies appropriate to nursing. The student will begin to explore methods of classifying and ordering nursing phenomena, and to examine critically the major components of nursing practice in relation to research. This course serves as a foundation for Nursing 450 in the spring.

Prerequisite: Fourth-year standing in nursing major or permission of instructor.

Corequisite/Prerequisite: Math 206.

401 Management in Nursing

3 Hrs.

A basic survey of management theory with emphasis on the functional and task requirements of management, and behavioral considerations. Specific topics include the planning, organizing, and controlling functions of management; contemporary models of organizational design; motivation and performance; and group behavior and influence processes.

In addition, a paper on management theory applied to nursing is required.

Prerequisite: Fourth-year standing in the nursing major or permission of instructor.

402 Designing Systems with Multiperson Units in the Community

6 Hrs.

This clinical nursing course examines the system of nursing delivery as a part of the larger health-care delivery system. The emphasis is on identification of health needs and encouragement of self-care and health promotion in the community. Clinical practice will be provided in a variety of community agencies with the main focus on the family and the aggregate as multiperson units.

Prerequisite: Fourth-year standing in the nursing major.

450 Directed Study in Nursing

2 Hrs. (To be individually arranged.)

This course involves concentrated study in nursing, whereby students are expected to synthesize and utilize their understanding of both the liberal arts and professional components of the curriculum, as they relate to the practice of professional nursing. Students are expected to summarize their study and experiences in a scholarly paper and in a formal seminar. Grading is P/F.

Prerequisite: Nursing 400.

451 Designing Nursing Systems in Complex Nursing Situations

6 Hrs.

This course offers selected, concentrated study in the design of nursing systems for clients experiencing multiple and complex deficits in self-care. The student will have the opportunity to refine, broaden, and enhance her nursing agency and expand the scope of her professional nursing practice. Ultimately the student will be expected to synthesize principles and concepts from the physical, social, and behavioral sciences, and from previous nursing courses, as well as analyze new knowledge of clients experiencing multiple and complex deficits of self-care. Test fee: $25.

Prerequisites: Fourth-year standing in the nursing major; Nursing 401.

452 Nursing Perspectives

2 Hrs.

Current trends, and issues in professional nursing will be explored in depth. Particular attention will be given to ethical, political, legal, and economic issues affecting the nurse agent. Projections of nursing for the future will be made in light of historical bases, expanded conceptual frameworks and present social trends.

Prerequisite: Fourth-year standing in the nursing major.

460 Independent Study in Nursing

1, 2, 3 Hrs.

Independent investigation of a selected topic in nursing will be accomplished through a program of directed readings. An interpretative paper and oral examination are required: oral examination will be conducted by the course supervisor and other members of the department upon invitation.Open to advanced students by permission of the department.

May be repeated for credit.

Division of Social Sciences and Education

Joyce H. Shealy, *Chairman*
Dana Professor of Psychology

Christine L. Allegretti
Associate Professor of Psychology

Michele J. V. Allen
Lecturer in Physical Education

Daniel C. Biber
Associate Professor of Psychology

Carol J. Boggs
Assistant Professor of Sociology

Suzanne M. Degni
Assistant Professor of Education

Chrystle L. Eppley
Instructor in Physical Education

Janice L. Ginger
Assistant Professor of Education
and Director of Teacher Education Programs

Charles B. Gordon, III
Lecturer in Physical Education

Sandra R. Loehr
Assistant Professor of Education

Albert A. Maisto
Lecturer in Psychology

Phyllis A. Pharr
Associate Professor of Physical Education

Michael Tager
Assistant Professor of Political Science

Education

North Carolina Class "A" teacher certification is possible through programs in early childhood (grades K-4); intermediate (grades 4-6); special subject (grades K-12) in music; and secondary subject areas (grades 9-12) in English, French, Spanish, mathematics, biology, chemistry, and social studies. All programs are approved by the North Carolina State Board of Education, making possible reciprocity in certification with over 30 states.

Teacher certification may be obtained as a part of the student's four-year program.

Department objectives state that the education of teachers is threefold: they are liberally educated; they pursue in depth their teaching specialties; and they acquire the necessary professional knowledge and skills needed in teaching. The certification of teachers is limited to the areas in which the college has majors or well-established programs. The education of teachers is the joint responsibility of the academic departments and the Department of Education.

Students desiring certification in early childhood education or intermediate education may choose to major in education or may major in any other area offered and at the same time fulfill certification requirements. Early planning for certification (as early as the beginning of the freshman year in some programs) is advisable.

Students desiring secondary certification major in the content area in which they are seeking certification and take the additional courses for certification requirements as electives.

Students should apply to the Education Department for admission to the Teacher Certification Programs during Term II of their sophomore year. To be accepted into the program a student must have positive recommendations by three Queens' faculty members, an overall grade point average of 2.500, satisfactory scores on Core Batteries I and II of the National Teacher Examination, and approval of the Teacher Education Committee.

A student must apply for student teaching during Term I of her senior year. Minimum criteria for admission to student teaching are: for early childhood (K-4) and intermediate (4-6) education majors, an overall grade point average of 2.750; for content area majors seeking secondary certification (9-12) or special subject certification (K-12), an overall grade point average of 2.500 and a major grade point average of 2.750; recommendation by the major department; approval of the Education Department; and approval of the Teacher Education Committee.

Prior to completion of the program, students must take the last two sections of the National Teacher Examinations—Professional Knowledge and Specialty Area. Complete information and application forms for the National Teacher Examination may be obtained from the Education Department.

Persons interested in teacher certification who have already earned a bachelor's degree are admitted as special students. They should consult with the Director of Admissions regarding admission and are expected to complete a minimum of 12 credit hours successfully at Queens before undertaking student teaching.

Major

The department offers a major in education with options for certification in Early Childhood (K-4) or intermediate (4-6). A student interested in a major in education should meet with a member of the Education Department as early as possible to choose an area of certification and to plan her program.

Requirements

Certification requires the achievement of competencies in areas designated by the State Department of Public Instruction: general education, professional education, and teaching specialty.

To meet general education requirements, students should plan their Distributed Requirements to include:

AREA I	English 101 and 102 (all levels of certification)
AREA II	Mathematics 105 (preferred) or Mathematics 101 (K-4; K-12) Mathematics 105 (preferred) or Mathematics 101 and 206 (4-6) Mathematics 3 cr.hrs. (9-12)
AREA III	History 203 or Humanities sequence (K-4) History 102 or Humanities sequence (4-6) American History or Humanities sequence (9-12) History 203 (K-12)
AREA IV	Environmental Science 101 and Biology 102 (K-4; 4-6; 9-12; K-12)
AREA V	Political Science 100 and Psychology 201 (K-4; 4-6) Psychology 201 and Political Science 100 or Political Science 201 or Sociology 203 (9-12; K-12)
AREA VI	Music 100 and Art 101 or Humanities sequence (K-4; 4-6; 9-12) Art 101 and English 201 (K-12)
AREA VII	Computer Science 100 (all)
AREA VIII	Physical Education 31 (all) Physical Education 35 recommended (K-4; 4-6)
AREA IX	Education 446 (K-4); Education 448 (4-6); Education 442 (9-12); Education 443 (K-12)

Other liberal arts courses required include:

EARLY CHILDHOOD

Sociology 203	3 cr. hrs.
Geography 205	3 cr. hrs.
Psychology 309	3 cr. hrs.
*English 201	3 cr. hrs.
Economics (any)	3 cr. hrs.
*History 102 or 204	3 cr. hrs.

*If not taking Humanities sequence

INTERMEDIATE

Sociology 203	3 cr. hrs.
History 204	3 cr. hrs.
Geography 205	3 cr. hrs.
Psychology 309	3 cr. hrs.
*English 201	3 cr. hrs.
Economics (any)	3 cr. hrs.
Science (any)	3-4 cr. hrs.
Mathematics 304 (recommended)	3 cr. hrs.

*If not taking Humanities sequence

SECONDARY

Psychology 319	3 cr. hrs.
*English 201	3 cr. hrs.

*If not taking Humanities sequence

SPECIAL SUBJECTS

Psychology 309 or Psychology 319	3 cr. hrs.

Professional education courses required include:

EARLY CHILDHOOD

Education 221	3 cr. hrs.
Education 305	3 cr. hrs.
Education 310	3 cr. hrs.
Education 380	3 cr. hrs.
Education 385	3 cr. hrs.
Education 401	3 cr. hrs.
Education 402	3 cr. hrs.
Education 409	4 cr. hrs.
Education 420	3 cr. hrs.
Education 446.	12 cr. hrs.
Education 451	3 cr. hrs.
Mathematics 204	3 cr. hrs.

INTERMEDIATE

Education 221	3 cr. hrs.
Education 305	3 cr. hrs.
Education 310	3 cr. hrs.
Education 380	3 cr. hrs.
Education 385	3 cr. hrs.
Education 401	3 cr. hrs.
Education 402	3 cr. hrs.
Education 410	4 cr. hrs.
Education 448	12 cr. hrs.
Education 451	3 cr. hrs.
Mathematics 204	3 cr. hrs.

SECONDARY

Education 221	3 cr. hrs.
Education 310	3 cr. hrs.
Education 438	3 cr. hrs.
Education 345 (all majors except mathematics	3 cr. hrs.
Mathematics 204 (math majors)	3 cr. hrs.
Education 442	12 cr. hrs.
Education 452	3 cr. hrs.

SPECIAL SUBJECT

Education 221	3 cr. hrs.
Education 310	3 cr. hrs.
Music 321	2 cr. hrs.
Music 321L	1 cr. hr .
Music 322	2 cr. hrs.
Music 322L	1 cr. hr .
Music 415	2 cr. hrs.
Music 415A	1 cr. hr .
Music 416	2 cr. hrs.
Music 416A	1 cr. hr .
Education 443	12 cr. hrs.
Education 451 or 452	3 cr. hrs.

SECONDARY (9-12)

For the secondary teaching certificate, students are required to complete a major in the area in which certification is desired. Special course requirements in the major or additional to the major are noted below.

Biology—Major in biology.

Chemistry—Major in biochemistry.

English—Major in English including English 307 and 334.

French—Major in French. Additional course requirement: French 442.

General Science—Major in biology or biochemistry. Coursework must also include six credit hours in mathematics, including Mathematics 113; Physics 101 and 102; Chemistry, eight credit hours minimum; Biology, eight credit hours minimum, including Biology 103; eight credit hours Earth Science.

History—Major in history including History 203 and 204 and six credit hours European/World History.

Mathematics—Major in mathematics including Mathematics 304, Mathematics 204, and a course in probability or statistical inference. Recommended courses: Physics 101 and 102.

Social Studies—Major in history, including History 203 and 204 and six credit hours in European/World History. Coursework must also include 21 credit hours in related social sciences including Political Science 201, Economics 203, Sociology 204 (recommended) or Sociology 203.

Spanish—Major in Spanish. Additional course requirement: Spanish 442.

MUSIC (K-12)

For certification in Music, a major in Music Education is necessary. Students are advised to consult with the Music Department to familiarize themselves with the statement of requirements for a Music Education major under the Music Department.

Distributed Requirements

Neither exploratory nor professional internships are required of students who successfully complete student teaching in the Education Department.

221 Introduction to Teaching

3 Hrs.

Sociological, historical, and philosophical background, purposes, and concepts basic to the development of public education in the United States.

Primarily for sophomore level students; required of all students in teacher education.

299 Introduction to Early Learning Experiences

2 Hrs.

Course is designed as an introduction to the components of an early learning center for young children. The student will begin to develop observational skills needed to facilitate identification of the needs of individual children and how they learn.

305 Literature for Children

3 Hrs.

Book selection and the integration of knowledge of children and books; includes evaluating types of literature and planning ways of using books with children. This course is designed primarily for education majors.

310 Educational Psychology

3 Hrs.

Study of those principles of psychology which can be applied directly to the classroom; emphasis on psychological testing, behavior deviations, and principles of learning.

Prerequisite: Psychology 201.

345 The Teaching of Reading for Secondary School Teachers

3 Hrs.

The importance of reading development in the content fields for the improvement of learning is emphasized. Topics include work-study skills, selection of appropriate reading materials both functional and recreational, and classroom strategies. Required for secondary teacher certification.

352 Topics in Education

3 Hrs.

Intensive consideration of a problem in education that is not offered on a regular basis in the curriculum. The topics for the course will vary from term to term.

Prerequisite: Sophomore status or above.

380 Elementary Health and Physical Education Methods

3 Hrs.

Overview of the aspects of teaching physical and health education: their place in the school program; facilities, equipment and safety procedures necessary for successful programs; skill progression and types of activities appropriate for elementary age groups; and available health services.

385 Elementary Music and Art Methods

3 Hrs.

Exploration of the aspects of teaching music and art: their place in the school program; materials necessary for successful programs; and both application and appreciation methodologies appropriate for elementary students.

401 Teaching of Reading and Other Language Arts

3 Hrs.

Course includes achievement of competencies in the use of materials and methods of instruction in the teaching of reading and other language arts. Emphasis is placed on the process of reading and the interrelationship and integration of all the communicative arts.

402 Diagnostic and Corrective Techniques in Reading

3 Hrs.

Course is designed to help students contribute more effectively to the total reading program by identifying, interpreting and fulfilling the needs of those experiencing difficulty in reading. Formal and informal diagnostic measures are studied. A school experience of working with students who have reading difficulties is required.

409 Methods and Materials of Instruction for Early Childhood Education

4 Hrs.

Course is designed to achieve competencies in teaching science and social studies at the early childhood level. Emphasis is placed on instructional strategies and devising methods and materials to meet individual needs.

Prerequisite to student teaching; normally to be taken in Term I of senior year.

410 Methods and Materials of Instruction for Intermediate Education

4 Hrs.

Course is designed to achieve competencies in teaching science and social studies at the intermediate level. Emphasis is placed on instructional strategies and devising methods and materials to meet individual needs.

Prerequisite to student teaching; normally to be taken in Term I of senior year.

420 Methods and Materials of Instruction in Kindergarten

3 Hrs.

Course includes a study of the curriculum appropriate for the kindergarten age child in relation to individual interests, aptitudes and needs. Teaching activities and experiences will be planned in each of the curriculum areas to include these factors. Provision will be made to implement these plans in a classroom.

438 Methods and Materials of Instruction for Secondary Subject Teachers

3 Hrs.

Study of teaching methods, resources, materials and strategies as related to the secondary school.

Prerequisite to student teaching; normally to be taken in Term I of senior year.

442 Student Teaching in Secondary Education

12 Hrs.

Directed observation and student teaching in selected schools, grades 9-12. Seminars are scheduled throughout this period. Grading is P/F.

Student Teaching Fee: $50.

443 Student Teaching in Music Education

12 Hrs.

Directed observation and student teaching in selected schools, grades K-12. Seminars are scheduled throughout this period. Grading is P/F.

Student Teaching Fee: $50.

446 Student Teaching in Early Childhood Education

12 Hrs.

Directed observation and student teaching in selected schools, grades K-4; seminars are scheduled throughout this period. Grading is P/F.

Student Teaching Fee: $50.

448 Student Teaching in Intermediate Education

12 Hrs.

Directed observation and student teaching in selected schools, grades 4-6; seminars are scheduled throughout this period. Grading is P/F.

Student Teaching Fee: $50.

449 Practicum in Student Teaching

3, 4, 5, 6 Hrs.

Offered on demand.

Course is designed for those students with extensive experience and/or certification in teaching in one area who now desire certification in area of experience or second area certification. Will include directed observation and student teaching in selected schools. Grading is P/F.

Prerequisite: Permission of the instructor.

Student Teaching Fee: $25.

450 Individual Studies in Education

Offered on demand—1, 2, 3 Hrs.

Programs of study for experienced classroom teachers, following their interests and needs, are planned with the help of the instructor. Persons interested in enrolling in Education 450 must confer with the instructor in person or by letter prior to the beginning of the course so that individual study plans may be formulated.

Prerequisite: Classroom teaching experience and permission of the instructor.

451 Post-Practicum Seminar in Early Childhood and Intermediate Education

3 Hrs.

This seminar course which follows student teaching and is part of the professional block is designed to provide the final integration of the theoretical and practical aspects of the education profession. Through seminar topics and individual study, students will assess and strengthen the understandings and competencies required of teachers in early childhood and intermediate education. Grading is P/F.

452 Post-Practicum Seminar in Secondary Education

3 Hrs.

This seminar course which follows student teaching and is part of the professional block is designed to provide the final integration of the theoretical and practical aspects of the education profession. Through seminar topics and individual study, students will assess and strengthen the understandings and competencies required of teachers in secondary education. Grading is P/F.

Geography

205 Fundamental of Geography

3 Hrs.

Both physical and social aspects of geography treated through study of the earth's surface and man's response to his physical environment with some emphasis on reading and interpreting maps and globes; designed primarily for elementary education certification requirements.

Physical Education

The physical education program provides an instructional base in selected lifetime leisure and sports skills. Students are encouraged to accept the responsibility for their own well-being by developing the knowledge, skills, and attitudes necessary in achieving their optimum level of physical fitness and satisfaction.

The Distributed Requirements, Area VIII, may be met by any two courses; all physical education courses are graded on a Pass/No Record basis. A student may enroll in any number of physical education courses, but only two hours of physical education credit may be counted toward the 122 hours required for a bachelor's degree. The required two hours should be completed by the end of the sophomore year. Non-swimmers are encouraged to take PE 51, Beginning Swimming, in the fall semester of their freshman year. All students are encouraged to take additional courses beyond those which are required.

01 Varsity Tennis

1 Hr.

Designed for the above average, highly skilled student who desires intercollegiate competition in tennis.

Requirements: Membership by tryouts, participation on team during season, current medical examination, and college eligibility.

May be repeated for credit.

03 Varsity Volleyball

1 Hr.

Designed for the student who desires varsity competition in volleyball.

Requirements: Membership by tryouts, participation on team during season, current medical examination, and college eligibility.

May be repeated for credit.

15 Dolphin Club

1 Hr.

Performing group. Produces an annual water show. Membership by tryouts.

May be repeated for credit.

21 Beginning Tennis

1 Hr.

Fundamental skills of tennis (forehand, backhand, serve); emphasis on development of strokes; course for the beginner.

23 Advanced Beginning Tennis

1 Hr.

Emphasis on strengthening fundamental skills. Designed for the student who has had some experience with tennis or a course in beginning tennis; singles and doubles competition within the class.

25 Intermediate Tennis

1 Hr.

Emphasis on improving fundamental skills, advanced strokes, and techniques; singles and doubles competition within the class.

May be repeated for credit.

31 Beginning Modern Dance

1 Hr.

An introduction to the basic principles of rhythm, design, and dynamics in modern dance; concentration on movement techniques, improvisation, and dance composition.

32 Intermediate Modern Dance

1 Hr.

Continuation of Physical Education 31, emphasizing comprehensive study of movement techniques as applied to dance composition and improvisation.

34 Dance Production

1 Hr.

Experience in the production of a dance program.

Prerequisite: Physical Education 31 or previous dance experience.

May be repeated for credit.

35 Folk and Square Dance

1 Hr.

Recreational type activity class in folk dance and both traditional and modern square dance. Experiences in instruction for students who plan to work in elementary education, recreation, and related fields.

36 Ballet I

1 Hr.

An introduction to classical ballet. Covers all the theoretical knowledge and practical requirements of the Grade I syllabus of the Cecchetti Council of America, Inc.

May be repeated for credit.

Body Dynamics

1 hr.

Principles of physical conditioning and its application to everyday living; activities for improving fitness.

May be repeated for credit.

38 Heart Health and CPR

1 Hr.

A course designed to combine the study of heart health, CPR certification, and aerobic exercise.

51 Beginning and Advanced Beginning Swimming

1 Hr.

For the non-swimmer and beginner; basic safety skills, front crawl and elementary back stroke; opportunity to earn Red Cross certificates.

53 Intermediate Swimming

1 Hr.

Elementary back, front crawl, breast, side, and back crawl strokes, safety skills; opportunity for Red Cross certificate.

55 Synchronized Swimming

1 Hr.

Strokes, stunts, and skills; beginning through advanced level; creative experience in solo, duet, and team routines.

Prerequisite: Intermediate or higher swimming level.

May be repeated for credit.

57 Advanced Lifesaving

1 Hr.

Provides the student with the knowledge and skills designed to save her own life or the life of another if the emergency arises; Red Cross certification. Also includes Red Cross Basic First Aid and CPR certification.

Fee: approximately $25.

58 Water Safety Instructor's Course

1 Hr.

Increased knowledge, judgment, and teaching skill for training others; Red Cross certificate.

Prerequisite: Advanced Life Saving.

Fee: approximately $25.

59 Lifeguard Training

1 Hr.

In-depth study and practice of the skills and knowledge required for an individual to properly assume the responsibilities of a lifeguard at a swimming pool or a protected open-water beach. Emphasis is placed on the concern for the safety of others. Red Cross certification. Also includes Red Cross Basic First Aid and CPR certification.

Prerequisite: Advanced Lifesaving.

Fee: approximately $25.

61 Beginning Golf

1 Hr.

Fundamentals of golf for those who have little or no golf skill; grip, stance, club selection, etiquette,and rules. Approximately one fifth of class time is devoted to actual play.

Fee: approximately $25.

63 Advanced Beginning Golf

1 Hr.

Major emphasis is on the development of a sound golf swing. Attention is also given to putting, sand shots, uneven lies. Approximately one third of class time is devoted to actual play.

Prerequisite: Beginning Golf 61 or permission of instructor.

Fee: approximately $25.

69 Topics in Physical Education

1, 2 Hrs.

This course provides an opportunity for study of various topics in the field of physical education which are not offered on a regular basis. The topics for the course will vary from term to term. May be repeated with different subtitles.

No more than one hour may count toward the Distributed Requirement, Area, VIII.

71 Riding

1 Hr.

Instruction offered at three levels; beginners, intermediate, and advanced; qualified students may hunt by arrangement.

Fee: $150.

May be repeated for credit.

Political Science

The Queens College approach to the study of political science combines the normative and ethical character of the ancient Greeks with the empirical and analytical character of contemporary post-behavioralism.

Careers

Major study in political science may lead to careers in government, politics, law, journalism, teaching, or any of the many areas in which a liberal arts background is desirable. The opportunities for graduate study are extensive, and fellowships are available with which to fund such study.

Major

Degree requirements: Political Science 100, 201, 250, 308, 313, 315, 336, 337, and six additional hours in political science; either Mathematics 206 and three additional mathematics credit hours, or six credit hours at the 300 or 400 level in economics, history, psychology, philosophy, or sociology. Sociology 315 is recommended. The student should consider a focus in American government, international relations, or philosophy before deciding which of these related courses to pursue.

Minor

Political Science 100 and 201 plus 12 additional credit hours in political science, of which 6 hours must be on the 300 level and selected from the core courses in the major.

Distributed Requirements

Political Science 100 or 201 meets the Area V Distributed Requirements. Political science majors may not use political science courses to fulfill Area V Distributed Requirements.

Prerequisites

Political Science 100 or 201 or consent of the instructor is prerequisite for courses at the 300 level or above.

100 Introduction to Political Science

3 Hrs.

An introduction to basic concepts describing political activity, to the language and different approaches used in political science, and to the subfields of the discipline with emphasis upon comparative politics, international politics, empirical and normative political theory, public administration,and the law and judicial behavior.

201 American Politics

3 Hrs.

Political institutions and behavior; introduction to the Presidency, Congress, Supreme Court; political parties and pressure groups as actors in politics; conservatism and liberalism as motivating philosophies.

202 Contemporary Political Issues

3 Hrs.

Study of major issues and problem areas in both American and international politics. Emphasis will be upon substantive background of the issue; introduction to the range of political concepts, actors and institutions related to these issues; and the variety of policy choices presented by these issues.

206 Political Ideology

3 Hrs.

Development and function of ideology in a political system; examination of contemporary fascist, socialist, communist, and democratic ideologies; new ideologies of emerging nations.

250 Comparative Political Systems

3 Hrs.

An introduction to comparative methods of political research. Attention will be given to a comparison of formal institutions and to basic social, economic, and cultural factors. Primary emphasis will concern the influence of these factors on political evolution and policy implementation with democratic and totalitarian governments.

300 Current Topics in Political Science

3 Hrs.

The study of selected approaches to the study of political activity or specialized topics of contemporary political science research. Possible topics include political psychology, political economics, and political fiction. Topics to be announced the term prior to offering.

301 European Political Systems

3 Hrs. Offered on Demand

Comparative analysis of political culture, institutions, and behavior in selected modern European nations; emphasis on England, France, and West Germany.

303 Communist Political Systems

3 Hrs. Offered on Demand

Analysis of communist theory and its practice in the political systems of the Soviet Union, Eastern Europe and China. Emphasis will be upon relating institutional characteristics of these systems with theoretical perceptions of life within them.

305 Developing Political Systems

3 Hrs. Offered on Demand

Introduction to the processes of political development and change, and to problems confronting developmental efforts of an emerging nation; emphasis on selected African, Asian, and Latin American nations.

308 Political Parties and Voting Behavior

3 Hrs.

Function of parties in a political system; comparative party systems; mass and cadre parties, proposals for more "responsible" parties; political attitudes and voting behavior.

310 State and Urban Politics

3 Hrs.

Political institutions, processes, and problems in the American states and municipalities.

311 Public Administration

3 Hrs.

A political analysis of the nature of government bureaucracies and how they operate. Special attention will be paid to the role of these bureaucracies in the American society, the decision-making processes in these bureaucracies,and the way in which these bureaucracies implement their own decisions as well as those made by higher authorities (such as legislature or chief executives).

313 The Constitution and the Court

3 Hrs.

Historic interpretations of the American constitution and major decisions in constitutional law; the Supreme Court and judicial decision-making.

315 Congress and the Presidency

3 Hrs.

Structure and functions of House and Senate, Executive Office and conflict and cooperation in domestic and foreign policy decision-making.

323 World Politics

3 Hrs.

Analysis of the nature of international politics as well as the study of the factors that govern the interaction of states, such as: nationalism, ideology, power, law, international organization, and personalities.

324 International Law

3 Hrs.

Analysis of the content and impact of man's attempts to order international relations through the development and implementation of a system of law.

325 American Foreign Policy

3 Hrs.

Major themes in the history of American diplomacy since 1898 with emphasis on their applications, modification, and development in relation to America's increased world responsibilities as a world power.

Prerequisite: History 203 or 204 or permission of the instructor.

NOTE: students may elect this course as History 325.

326 Contemporary American Foreign Policy

3 Hrs.

Analysis of the role of the United States in contemporary world politics; emphasis upon the nature of the foreign policy-making process and the rationale, content, and impact of contemporary American international action and policies.

Prerequisite: History 204 or permission of the instructor.

NOTE: Students may elect this course as History 326.

336 Political Theory I

3 Hrs.

Examination of the content of the political thought of selected Greek, Roman, and Christian thinkers and its sources in and impact upon premodern society.

NOTE: Students may elect this course as Philosophy 336.

337 Political Theory II

3 Hrs.

Political thought from Machiavelli to the twentieth century; examination of the content of political thought and its sources in and impact upon society from the sixteenth century to the twentieth century.

NOTE: Students may elect this course as Philosophy 337.

350 Directed Study

3 Hrs.

Investigation of a specialized topic in political science through research, special instruction, and assigned readings. A paper and oral or written examination by staff are required.

Prerequisite: Approval of department.

351 Professional Internship in Political Science

1, 2, 3 Hrs.

Field experience in application of political science theory and methods in selected agencies and organizations. May be repeated up to 6 hours. Credit applicable to political science major. Open primarily to junior and senior majors. Permission of instructor is required.

450 Independent Study

3 Hrs.

Opportunity for independent investigation of a topic by means of a thesis or a program of directed readings; oral examination by department members.

Open to seniors with permission of the department.

Psychology

The department emphasizes the development of an understanding of factors important in determining behavior. Introductory courses present basic psychological principles; upper level courses provide opportunities for further work in areas of special interest. Independent study allows the student to design and carry out original research. Internships in community settings enable the student to make practical application of psychological principles.

Careers

A major in psychology provides a basis for graduate study in areas of psychology, education, social sciences, social work, and law as well as a foundation for careers in personnel, social work, mental health, and similar areas.

Major

Requirements: Psychology 201, 303, 306, 306L, 314, 400, 401, and at least 16 additional hours in the department as approved by the major adviser. Mathematics 206 and Computer Science 100 or 101 are required for a major in psychology. Biology 112 and Philosophy 203 are recommended.

Minor

Eighteen hours: Psychology 201; one course from Psychology 308, 309, 319; one course from Psychology 302, 303, 304; one course from Psychology 311, 314, 412; two courses from the entire departmental offerings. A student planning on minoring in psychology should check with a departmental member.

Distributed Requirements

This requirement, Area V, may be met by Psychology 201. Psychology majors may not use psychology courses to fulfill Area V Distributed Requirements.

Prerequisite

Psychology 201 is prerequisite to all other psychology courses.

201 General Psychology

3 Hrs.

Survey of the field of psychology emphasizing the results of scientific investigations in the area of behavior.

302 Psychology of Personality

3 Hrs.

Survey of selected theories of personality and principles of personality development.

303 Social Psychology

3 Hrs.

Study of the behavior of the individual in society, including attitude formation and measurement, interpersonal perception, and the behavior of the individual in groups.

NOTE: Students may elect this course as Sociology 303.

303L Experimental Social Psychology

1 Hr.

Application of experimental methods to problems of social psychology such as attitude change, conformity, and leadership. Special problems of research design and techniques peculiar to the area of social psychology are considered.

Prerequisite: Psychology 303.

Three hours laboratory per week.

304 Abnormal Psychology

3 Hrs.

Study of the deviant individual from both the dynamic and behavioral viewpoints. The diagnosis, etiology, treatment, and prevention of maladaptive behavior are considered.

305 Introduction to Counseling

3 Hrs.

An introduction to various theories of behavior change, including dynamic, behavioral, cognitive, humanistic,and existential approaches to therapy. Individual, group, and family therapies will be discussed.

Prerequisite: Either Psychology 302 or 304.

306 Experimental Methods in Psychology

3 Hrs.

Application of experimental methods to problems in perception, learning, and social behavior. Principles of research, including experimental design, uses of apparatus, and procedural and statistical control are considered.

Prerequisite: Mathematics 206.

This course must be taken concurrently with Psychology 306L.

306L Laboratory in Experimental Psychology

1 Hr.

Study of techniques and procedures of psychological research, and conducting of experiments in learning, perception, sensory processes, motivation, and social behavior.

Three hours laboratory per week.

This course must be taken concurrently with Psychology 306.

308 The Exceptional Child

3 Hrs.

Study of the psychological problems of children who deviate from normative patterns of growth and development.

Prerequisite: Psychology 309 or permission of the instructor.

309 Child Psychology

3 Hrs.

Study of developmental processes from conception to puberty, with emphasis on theory, principles, and recent research.

311 Psychological Tests

3 Hrs.

Introductory study of principles of test evaluation and interpretation and consideration of examples of the major types of psychological tests in reference to these principles.

Prerequisite: Mathematics 206.

314 Psychology of Learning

3 Hrs.

Survey of empirical findings on respondent and operant conditioning, and on human verbal learning, with consideration of research methods and design; critical examination of historical and contemporary learning theory.

315 Laboratory in Conditioning and Learning

1 Hr.

Conducting experiments in respondent and operant conditioning and in human verbal learning.

Prerequisite/Corequisite: Psychology 314.

Three hours laboratory per week.

319 Psychology of Adolescence and Adulthood

3 Hrs.

Study of the developmental processes from puberty to old age, with emphasis on theory, principles, and recent research.

351 Professional Internship in Psychological Services

1, 2, 3 Hrs.

Placement in a local agency for supervised experience in programs stressing psychological services. Possible service areas include mental health, mental retardation, juvenile delinquency, drug abuse, assessment, and psychological aspects of music therapy and art therapy. Evaluation of experiences and related readings in weekly seminars.

Admission by permission of instructor. May be repeated. Only six hours' credit may be applied to a major in psychology.

352 Topics in Psychology

3 Hrs.

Intensive consideration of a problem in psychology. The topic for the course will vary from term to term. May be repeated with different subtitles.

Prerequisite: Sophomore status or above.

400 Advanced General Psychology, I

1 Hr.

A restudy and synthesis of basic psychological principles.

Prerequisite: 21 hours of psychology courses and senior status.

401 Advanced General Psychology, II

3 Hrs.

Consideration of the major areas of psychology from classical positions through contemporary viewpoints.

Prerequisite/Corequisite: Psychology 400.

412 Physiological Psychology

3 Hrs.

Introduction to the nervous system and internal environment and their effect upon behavior. Normal and abnormal conditions discussed with respect to sensation, learning, emotion, and motivation.

449, 450 Independent Research

1, 3 Hrs.

Opportunity for independent investigation of topics by means of reading and/or experimentation. First term is devoted to formulating the problem, determining its method of investigation, and compiling a bibliography; second term, to collecting the data and writing a report.

Prerequisite: Permission of the department; also, Psychology 449 is prerequisite to Psychology 450.

451 Seminar in Psychology

1, 2, 3 Hrs.

Seminar dealing with areas of psychology not covered in the regularly scheduled courses such as personnel psychology and behavior modification.

Admission by permission of instructor.

452 Directed Readings in Psychology

1, 2, 3 Hrs.

Independent investigation of a topic through a program of directed readings; oral examination conducted by department members.

Admission by permission of instructor.

May be repeated.

Sociology

The department offers a curriculum designed to introduce the student to the systematic study of human beings in interaction and the social causes and consequences of human behavior. Upper level courses afford the student the opportunity to explore specific areas within the discipline as well as to acquire methodological and research skills.

Careers

A major or minor in sociology provides the advantages and experience of traditional liberal arts education as well as an appropriate background for persons entering fields ranging from business administration, law, and government service to community planning and social welfare. The analytical and research skills which are at the heart of sociological training are of particular value to a broad spectrum of professional careers.

Major

Degree requirements: 31 credit hours in sociology including seven required courses—203, 303, 311, 315, 340, 460 and 461—and four courses to be selected by the student in consultation with her academic adviser.

In addition, nine credit hours at the 300 level are required from among the following supporting areas: economics, history, political science, and psychology. Mathematics 101 or 105 and 206 and Computer Science 100 are also required for a major in sociology. One year or more of a foreign language is recommended for sociology majors.

Minor

A minor in sociology requires Sociology 203 and 18 additional credit hours in sociology as follows: 204 or 205, 311, 313, 315, 340 or 345, and one additional course numbered 300 or above.

Distributed Requirements

The requirement for Area V may be met by Sociology 203. Sociology majors, however, may not use Sociology 203 to fulfill Area V Distributed Requirements.

Prerequisite:

Sociology 203 is prerequisite to all courses in the department except Sociology 204, 213, 304, 313, and 316.

203 Principles of Sociology

3 Hrs.

Basic concepts and principles of sociology; relationships and meaning of culture, society, personality, and interaction; analysis of group structure and social organization.

204 Social Issues and Problems

3 Hrs.

A sociological consideration of critical issues in contemporary society relating to individual deviation, social disorganization, and social change; emphasis on casual factors, societal response, and proposed solutions.

205 Social Work and Social Policy

3 Hrs.

The course deals in part with the evolution of social work and social philosophy and their relation to changing societal needs. It also focuses on current social problems and attempts to solve them at the national policy-making and community levels. Both theory and the practical problems of social work are stressed. The viewpoints of various social science disciplines (e.g., sociology, economics, political science) are considered.

213 General Anthropology

3 Hrs.

A study of the human origins, prehistory, and cultural existence from its less complex forms to early civilization. An introduction to the concepts, methods, and data of physical and archeological anthropology.

300 Specialized Areas in Sociology

3 Hrs.

The topics for each term are included in the class schedule. Offered on demand.

Prerequisites: Upperclass standing or permission of the instructor.

303 Social Psychology

3 Hrs.

Study of the behavior of the individual in society, including attitude formation and measurement, interpersonal perceptions, and behavior of the individual in groups.

Prerequisite: Psychology 201.

NOTE: Students may elect this course as Psychology 303.

304 Marriage and Family

3 Hrs.

A study of the family as a social institution; types of family life; changing familial roles in contemporary society.

Prerequisite: Upperclass standing or permission of the instructor.

308 Individual in Society

3 Hrs.

Study of the various social agents and processes that act on the individual throughout life to mold her/his behavior into socially approved patterns. Focus on American society and the influence of the family, the media, the school, the peer group, and the workplace on individual behavior. Examines the processes of socialization as they are affected by sex, race, and social class.

311 Social Theory

3 Hrs.

Study of the historical foundations of sociological thought, with emphasis on the work of Marx, Durkheim, and Weber. Review of the major contemporary theoretical perspectives.

Prerequisite: Six credit hours of sociology.

313 Cultural Anthropology

3 Hrs.

Comparative study of culture with emphasis on preliterate societies; past and present variation of man and culture. Factors in stability and change and relation of culture to personality.

315 Methods of Sociological Inquiry

3 Hrs.

The scientific method applied to social phenomena; methodological orientations in sociology; research procedures; techniques for collecting data; measuring social variables; and interpreting research findings.

Prerequisite: Mathematics 206 and Computer Science 100 or 101. (Computer Science 100 or 101 may be taken concurrently.)

316 Women in Society

3 Hrs.

An analysis of the female in the regard to sex role stereotyping through an examination of the status of women, cross-cultural role differences, and the dynamics of the socialization.

319 Deviant and Criminal Behavior

3 Hrs.

An examination of behaviors that violate significant social norms, how such acts come to be defined as deviant or criminal, the social functions and dysfunctions of deviance, and the means of social control used to encourage conformity and inhibit rule-breaking.

320 Population

3 Hrs.

An analysis of human behavioral patterns, values, and ideologies that are relevant to the number, distribution, and composition of populations, including an examination of the interrelationships of the components of population analysis; fertility, mortality, and migration.

325 Urban Sociology

3 Hrs.

A study of the genesis, growth, and spatial patterns of cities including an analysis of the distribution and function of metropolises from an ecological perspective. Attention is also given to contemporary urban problems.

330 Directed Individual Study

1, 2, 3 Hrs.

Independent reading and investigation of the literature relevant to a specific topic or area in sociology.

Prerequisites: Junior or senior standing, permission of the instructor, minimum QPA of 3.000.

340 Social Stratification

3 Hrs.

An examination of systems of social stratification; theoretical perspectives on stratification and differentiation; the interaction of class, status, and in power; consequences of class differences in modern America.

345 Racial and Ethnic Minorities

3 Hrs.

Analysis of majority-minority group relations and social processes. Study of origins and consequences of prejudice. Focuses on experience of ethnic and racial minority groups in American culture.

351 Professional Internship in Sociology

1,2, 3 Hrs.

Field experience in application of sociological data, theory, and methods in selected agencies and organizations. May be repeated once. Grading will be Pass/Fail.

Prerequisites: Six hours of sociology (Sociology 203 and one additional course); junior or senior standing; permission of the instructor. Internship plans must be structured and approved before the term begins in which the internship is to be done.

460, 461 Senior Thesis

1 Hr., 3 Hrs.

A two-term sequence in which the student completes an independent project or research study. During Term I, the student will develop the research question(s) or design the project and complete the bibliographical search. In Term II, the data will be collected and analyzed or the project will be completed. Grading will be Pass/Fail.

Prerequisites: Permission of the instructor; open only to senior sociology majors; requires a minimum of 15 credit hours in sociology, including Sociology 315, Mathematics 206, and Computer Science 100 or 101.

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B.A., Rice University; M.Phil., Ph.D., Yale University

Robert W. Whalen
Associate Professor of History 1983
B.S., Georgetown University; M.A., Ph.D., Cornell University

Billy O. Wireman
Professor of Management and Education and President of the College 1978
A.B., Georgetown College; M.A., University of Kentucky; Ed.D., Peabody College of Vanderbilt University; L.H.D., Eckerd College; L.H.D., University of Tampa

Yolanda Yoder
Assistant Professor of Mathematics and Computer Science 1984
B.A., Queens College; M.A., University of Florida at Gainesville

Karen J. Zapata
Assistant Professor of Accounting and Business Administration and Adviser to Master of Business Administration Students 1987
B.A., B.S., University of North Carolina at Chapel Hill; M.B.A., Winthrop College; Certified Public Accountant (CPA)

Professors Emeriti

Thelma Albright
Associate Emeritus of English
A.B., Greensboro College; M.A., Duke University; L.H.D., Queens College

Charles E. Brewer, Jr.
Associate Professor Emeritus of Economics
A.B., Princeton University

Roberta T. S. Chalmers
Associate Professor Emeritus of English
A.B., D.Litt., Mount Holyoke College; M.A., Radcliffe College; B.Litt, Oxford University (England); D.Litt., Keynon College

Nancy Eagle Duncan
Dana Professor Emeritus of Music
B.S.M., University of North Carolina at Greensboro; M.A., University of North Carolina at Chapel Hill

Ann S. Gebhardt
Professor Emeritus of Art
B.F.A., M.A., Ohio State University

Eleanor Lloyd Jenkins
Associate Professor Emeritus of Mathematics and Registrar
B.A., Queens College; M.A. University of North Carolina at Chapel Hill

Albert R. May
Professor Emeritus of Music (Voice)
Boston University of Music; Julliard School of Music

Sarah McKee Nooe
Professor Emeritus of Biology
B.S., Meredith College; M.A., Columbia University

Carolina Gordon Richardson
Assistant Professor Emeritus of Foreign Language (French)
A.B., Winthrop College; M.A., University of South Carolina

George A. Shealy
Professor Emeritus of Art
Indiana University; Chicago Art Institute; Bell School of Art; Oxbow School of Painting

Mary Thomas Smith
Assistant Professor Emeritus of Education
A.B., M.A., East Carolina University

Mary Lee Taylor
Associate Professor Emeritus of Religion
A.B., Salem College; M.R.E., The Biblical Seminary, New York

Sarah M. West
Assistant Professor Emeritus of Business
B.S., Winthrop College; M.R.E., Woman's Missionary Training School (Louisville)

General Information

Degrees Conferred 1987-88

College of Arts and Sciences

Bachelor of Arts

Sherry Elizabeth Adams
Elizabeth Opdenhoff Andrews
Tracy Caroline Arledge
Susan Diane Bailey
Karen Marie Bengston
Carolyn Kelly Billingsley
Sheryle A. Blackwood
Jennifer Leigh Brock
Paula Lynn Brown
Denise Ann Burchette
Carolyn Ruth Chaite
Reconda McKay Cleary
Angela Gayle DeBord
Rose Marlene Diamond
Betty Jean Dishman
Jennifer Lynn Engle
Alice Elizabeth Erwin
Katherine Anne Figiel
Cynthia Williams Goodhouse
Amanda Harrison
Kelli Lynn Harshbarger
Lisette Maria Hasbun
Deanna Louise Hensley
Judith H. Hesters
Holley Ellen Holroyd
Melody Caroline Homesley
Natalie Jane Irving
Celia Anne Jelley
Mantie Bintu Kamara
Stephanie L. Lawhorne
Laura Lowe
Mary Anne McCall
Marguerite Wooten McCarthy
Martha Inda McDonald
Suzanne Louise Manzer
Marianna Broward Moore
Jan Margaret Moser
Susan Finch Owen
Maria Victoria Poral
Susan Kelley Quinn
Musheerah Rahmaan
Katja Elaine Reed
Anne Tracy Slane
Stuart Efird Stafford
Sandra Lynne Stanulis
Kathryn Leskosky Taylor
Trish Lee Vail
Cynthia Denise Vanderford
Elizabeth Ashley Whitsitt
Michele Jordan Wood

Bachelor of Business Administration

Amy Lynn Church
Linda R. Crabtree
Rachelle Denise Funderburk
Wendy Lynn Grotting
Ashleigh Elizabeth Hall
Lisa M. Hartman
Julie Marie Immke
Sally Patricia Moffatt
Linda Carol Noe
Pamela Diane Reynolds
Karen Massey Seay

Bachelor of Music

Sara Presson Breedlove
Elizabeth Claire Finley
Sonya Yvette Guion
Lori Kay Hare
Lesa Anne Pittman
Karen Christine Sluss

Bachelor of Science

Dale Morris Dougherty
Janice Kay Rogers
Andra Lea Steed
Grace Elizabeth Still

Bachelor of Science in Nursing

Ginger Michelle Auten
Yvette Boney
Suzann Croxon Brune
Lynette Burton
Delores Nelson Chandler
Sarah Katherine Cooper
DeAnne King Culp
Juanita Gale Fowler
Ruth Cameron Grant
Irene Waterman Helms
Marian Frances Huntley
Patricia LePage Inabinett
Lori Ann Grizzle Ireland
Charlene Ortiz Little
Carol Shealy Mahaffey
Geraldine Harris Miller
Candace Nussman Nance
Margaret Fay Ozim
Susan Scruggs Rudkin
Helen Margaret Sadler
Margaret Ann Sorrell Trueman
Mary Kathryn Wood

Bachelor of General Studies

Lena Dianna Flournoy
Margaret Carpenter Lytton
Ethel Henderson McMillan

Graduate School

Master of Business Administration

Janice Nancy Bihn
Ronald Wayne Cobb
William Bradley Davis
Bernice Lawrence Dowdy
William Leo Foxx
Susan Elaine Gardner
Mary Olive Johnson
Kevin Parks King
Thomas Eugene Lee, III
Galen David Luse
Paul Harley McMinn
Raymond A. Peter
Jose A. Royo
Dorothy Elizabeth Ruth
Anne Trammell Short
Frank L. Stretz
Thomas Noel Taube, Jr.
Belinda Blandine Venner
Royallen Paul Wiley

Master of Education

Rose-Anne Beasley Beall
Jane Healy Carter
Jo Anne Blackburn Hilton
James Stephen Lassiter
Yvonne Hehn Newell
Qian Jing-wei
Kathryn Kell Simpson
Judy Ann Werner

Master of Liberal Arts

Drusilla Stoker Ingold

New College

Bachelor of Arts

Diana L. Bringardner
Norma Jean Cline
Robert Allen Combs
Debra Dotson Godby
Sherman D. Hager
Alicia Whiteside Hearne
Brenda B. Jackson
Roberta Lynne Matheny
Claire B. McKissick
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Deana Ann Sigmon
Cheryl Waltz Smith
Barbara Jo Stalion
Sherif Alfred Tadros
Peggy Smith Tucker

Bachelor of Science

Renee Blake Cooke
Allison S. Lambert
Charlotte Maine Pirko
Jann Louise Walters

Bachelor of General Studies

Dorothy Greene Beckham
Sandra Jaye House
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Honors and Awards

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Mary Helen Allen
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Mary Kathryn Midkiff
Cherie Ann Thompson
Laurie Denise Thrower
Kimberly Ann Windham

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Faculty Teaching Award

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Linda Butler
Linda R. Crabtree
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Dianna Flournoy
Cynthia Goodhouse
Irene Helms
Maryanne Hendrick
Lois Henry
Judith Hesters
Betty A. Jardine
Phyllis Melton
Audrey L. Montgomery
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Sara F. Whitesell

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Lois Entrekin Pederson

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David J. Bowman
Timothy Brown
Judy Eddins Craig
Gery D. Dorazio
Robin Enscore
David A. Erb
Carolyn Pate Erickson
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Mary Olive Johnson
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Robert Platt
Lula Knight Robinson
Anne Trammell Short
Gary Spellman
Frank Stretz
Thomas Taube
Royallen Wiley
Irene Zurek

Ginter Fellows (New College)

Toyna Beach
Diane Bringardner
Judith Duncan Carlton
Debra Godby
Sara Lee Hinnant
Janice Lindsay
Jeanette Morton
Linda Parham
Kathryn C. Rillo
Nancy J. Russell
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J.D. Swinson
Isabelle W. Trexler
Uffort-Northrop
May Ervin Wall
Emma Williams
William Wireman

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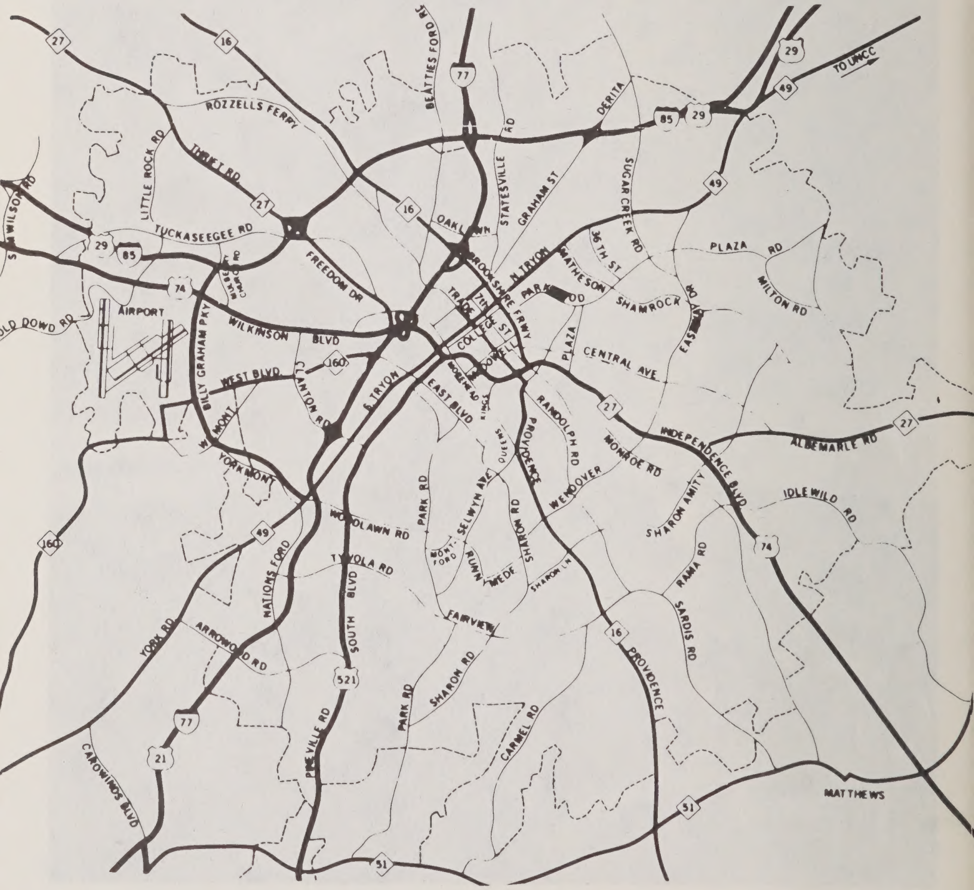
DIRECTIONS TO QUEENS COLLEGE

From I-85 and the Airport

Take Billy Graham Parkway exit—South. At the intersection of the Parkway and S. Tryon the name of the Parkway changes to Woodlawn Road. Continue on Woodlawn Road to Selwyn Avenue. There is a Queens College sign just before Selwyn. Turn left on Selwyn Avenue to Queens College. Turn left into the horseshoe driveway.

From I-77

Take Woodlawn/Queens College exit—South. Continue on Woodlawn to Selwyn Avenue. There is a Queens College sign just before Selwyn. Turn left on Selwyn Avenue to Queens College. Turn left into the horseshoe driveway.


27
16
ROZZELLS FERRY
BEATTIES FORD RD
77
LITTLE ROCK RD
THRIFT RD
27
TUCKASEEGEE RD
29
85
74
AIRPORT
OLD DOWD RD
WILKINSON
BLVD
BILLY GRAHAM PKY
WEST BLVD
160
CLANTON RD
FREEDOM DR
16
OAKLAWN
STATESVILLE RD
GRAHAM ST
DERITA
85
29
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TO UNCC
49
SUGAR CREEK RD
36 TH ST
N TRYON
MATHESON
PARKWOOD
SHAMROCK
EASTWAY DR
PLAZA RD
MILTON RD
BROOKSHIRE FRWY
TRADE
7TH
COLLEGE ST
McDOWELL
PLAZA
CENTRAL AVE
S TRYON
EAST BLVD
MOREHEAD
KINGS
QUEENS
PROVIDENCE
RANDOLPH RD
27
MONROE RD
INDEPENDENCE BLVD
ALBEMARLE RD
27
IDLEWILD RD
74
WENDOVER
SHARON AMITY
WILMONT
YORKMONT
WOODLAWN RD
PARK RD
SELWYN AVE
SHARON RD
MONTFORD
RUNNYMEDE
SHARON LN
TYVOLA RD
49
NATIONS FORD
160
YORK RD
ARROWOOD RD
SOUTH BLVD
521
FAIRVIEW
SHARON RD
RAMA RD
SARDIS RD
16
PROVIDENCE
PARK RD
PINEVILLE RD
CARMEL RD
77
21
CAROWINDS BLVD
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51
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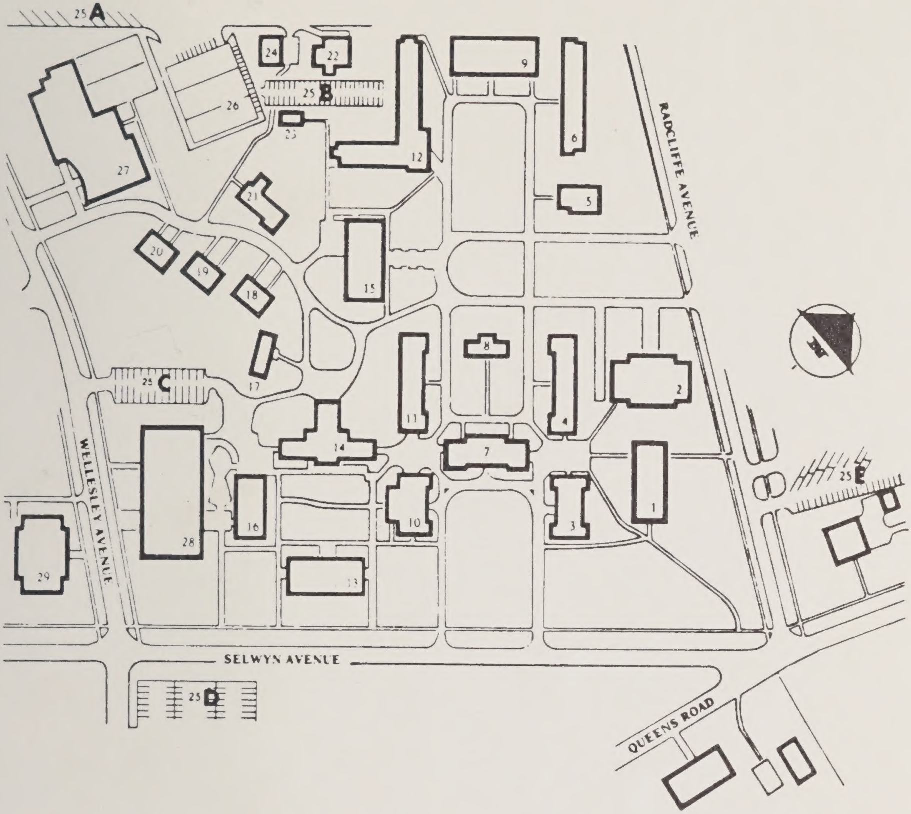
Queens College Map



25 A
25 B
25 C
25 D
25 E
RADCLIFFE AVENUE
WELLESLEY AVENUE
SELWYN AVENUE
QUEENS ROAD
1
2
3
4
5
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1. Belk Chapel
2. Albright Residence Hall
3. Jernigan Student Center
   (Snack Bar and Post Office)
4. Long Residence Hall
5. Stultz Buidling
6. Belk Residence Hall
7. Burwell Hall
   (Administrative Office)
8. Blair Building
9. Wallace Residence Hall
10. Mc Ewen Building
    Administrative Offices, QUILL,
    Dickson Microcomputer Center)
11. Watkins Art Building
12. Harris Residence Hall
13. Walker Science Building
    Mainframe Computer Center)
14. Morrison Dining Hall
    (Bookstore in the basement)
15. Everett Library
16. Dana Building
17. Tillett Building—Maintenance
18. Faculty Club
19. Sorority Lodge
20. Sorority Lodge
21. Irwin-McKay Health Center
22. Heating Plant
23. Greenhouse
24. Maintenance Shop
25. Parking Lot
26. Tennis Courts
27. Ovens Gymnasium
28. E.H. Little Fine Arts Center
29. Barnhardt Residence Hall

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